SERV. 32 670

AUDIO-VIDEO STEREO RECEIVER

KR-V7030

SERVICE MANUAL

KENWOOD

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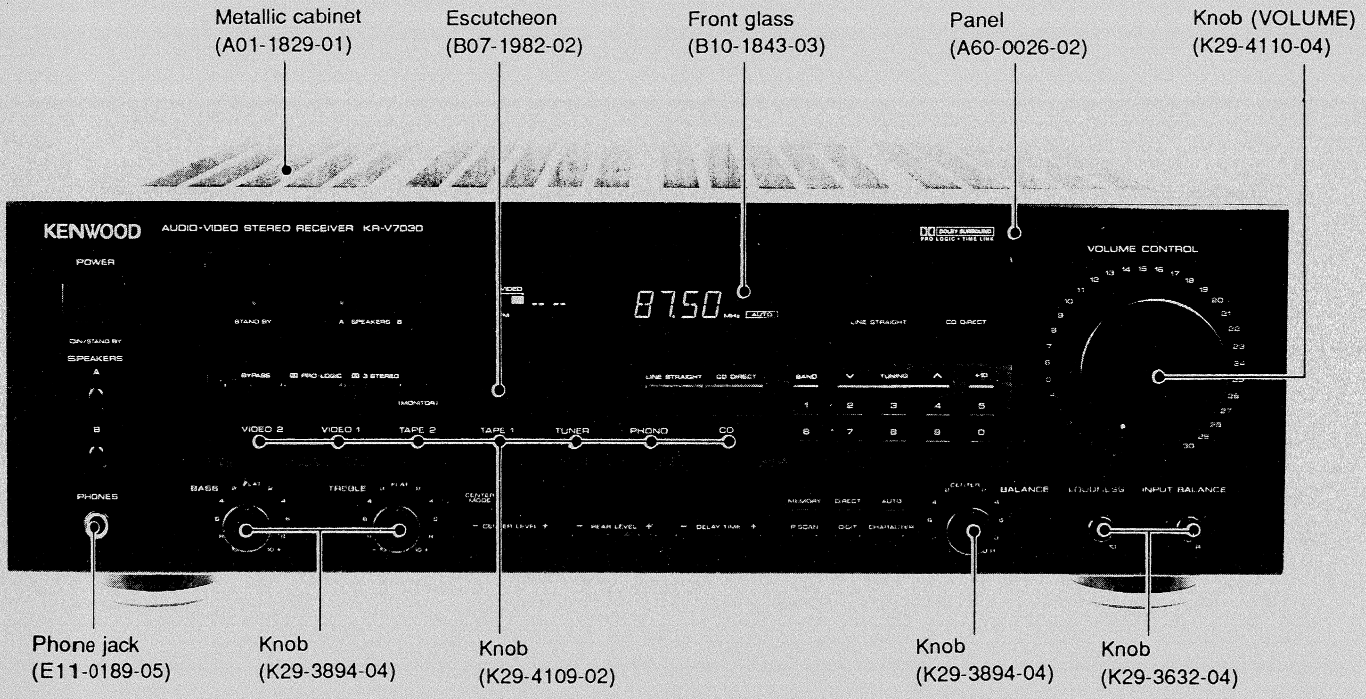
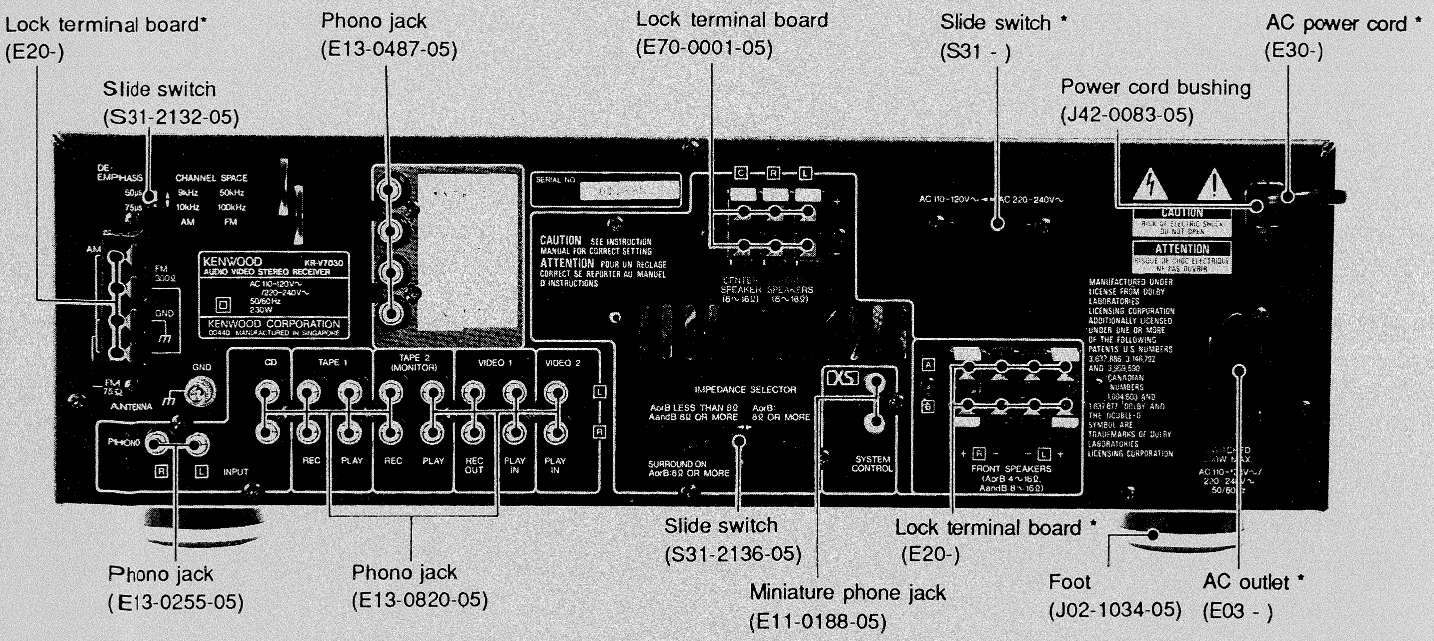
B51-4313-00(S) 3118


Metallic cabinet (A01-1829-01)
Escutcheon (B07-1982-02)
Front glass (B10-1843-03)
Panel (A60-0026-02)
Knob (VOLUME) (K29-4110-04)
Phone jack (E11-0189-05)
Knob (K29-3894-04)
Knob (K29-4109-02)
Knob (K29-3894-04)
Knob (K29-3632-04)


Lock terminal board* (E20-)
Phono jack (E13-0487-05)
Lock terminal board (E70-0001-05)
Slide switch * (S31 -)
AC power cord * (E30-)
Slide switch (S31-2132-05)
Power cord bushing (J42-0083-05)
Phono jack (E13-0255-05)
Phono jack (E13-0820-05)
Slide switch (S31-2136-05)
Lock terminal board * (E20-)
Miniature phone jack (E11-0188-05)
Foot (J02-1034-05)
AC outlet * (E03 -)

*Refer to parts list on page 45 .

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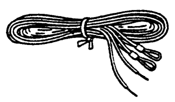
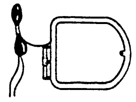
ACCESSORIES

Accessories

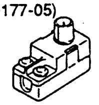
FM indoor antenna 1
(T90-0175-05)



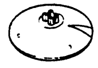
AM loop antenna 1
(T90-0174-05)



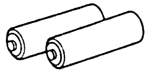
Antenna adaptor
(75 Ω/300 Ω) 1
(Except for some areas)
(T90-0177-05)



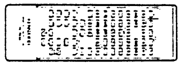
Loop antenna holder 1
(J19-2815-04)



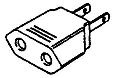
Batteries
(R6 or AA) 2



Remote control unit 1
(A70-0505-05)



AC plug adaptor 1
(E03-0115-05): FOR GENERAL MARKET
(E03-0049-05): FOR U.K



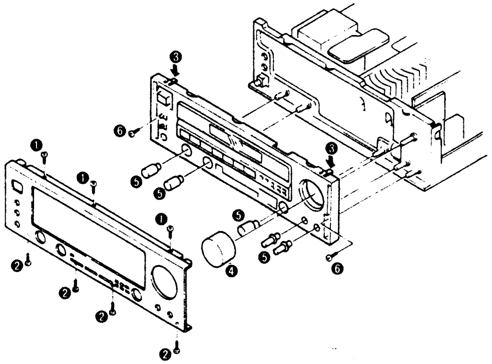
For the unit with a European AC plug in areas other than Europe.

DISASSEMBLY FOR REPAIR

Note: Remove the case before starting.

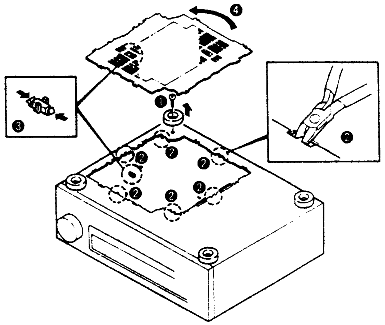
Removing the front panel and sub-panel.

1. Remove the three screws ❶ at the top, the four screws ❷ at the bottom, and the two claws ❸, then remove the front panel.
2. Remove the MAIN VR ❹ and each knob ❺, remove the two screws ❻, then remove the sub-panel.



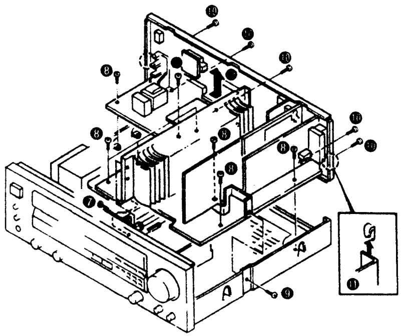
How to remove the repairing chassis

1. Remove the one screw, and foot ❶.
2. Cut the six parts ❷ of the repairing chassis.
3. Remove the claw of holder ❸.



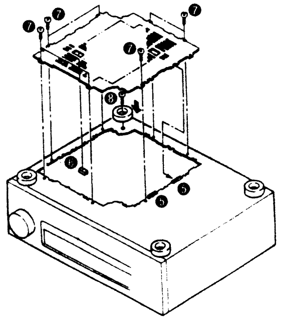
Removing the main PC board

1. Remove the two screws ❼.
2. Remove the eight screws ❽.
3. Remove the one screw ❾.
4. Remove the five screws ❿.
5. Remove the two claws ⓫, then remove the main PC board in the direction of arrow ⓬.



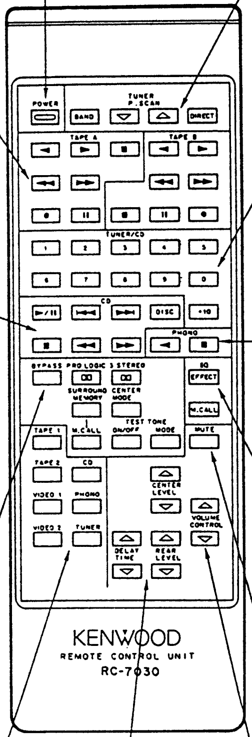
After repair

4. Turn the repairing chassis 180 degrees in the arrow direction ❹.
5. Insert the two claws ❺ into main chassis.
6. Lock to the holder ❻.
7. Lock to the main chassis by eight screws (M3x6) ❼.
8. Lock to the foot by screw ❽.



KR-V7030

REMOTE CONTROL OPERATION


POWER
TUNER
P.SCAN
BAND
DIRECT
TAPE A
TAPE B
TUNER/CD
1
2
3
4
5
6
7
8
9
0
CD
DISC
+10
PHONO
BYPASS
PRO LOGIC
3 STEREO
EQ
EFFECT
SURROUND MEMORY
CENTER MODE
M.CALL
TEST TONE
M.CALL
ON/OFF
MODE
TAPE 1
MUTE
TAPE 2
CD
CENTER LEVEL
VIDEO 1
PHONO
VOLUME CONTROL
VIDEO 2
TUNER
DELAY TIME
REAR LEVEL
KENWOOD
REMOTE CONTROL UNIT
RC-7030

POWER key
Press to switch the power ON/OFF.

TUNER operation keys.
BAND: Switches the bands.
P. SCAN: Scans the preset stations.
DIRECT: In conjunction with the numeric keys, tunes stations directly.

Tape deck operation keys
Two sets of operation keys, the TAPE A and TAPE B keys, allow to operate a double-deck type cassette tape deck. Use the TAPE A keys if your cassette tape deck is of the single-deck type.

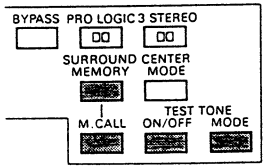
Numeric keys
When the CD source is selected, these keys can be used as the numeric keys of the CD player.
When the TUNER source is selected, they can be used as the nmeric keys of the tuner.
How to enter numerals:
For 23 press +10 twice and 3
For 40 press +10 four times and 0

CD player operation keys
Operate the CD player.
DISC: The DISC key can be used as the disc selector key of a multi-disc player wit a disc changer.
For details, read the instruction manual provided with the CD player.

Turntable operation keys
Control the start/stop of turntable.

Graphic equalizer operation keys
M.CALL: Every time the key is pressed, the equalizer patterns are recalled from memory.

Surround operation keys
The functions of the keys marked ▨ in the following illustration can be operated from the remote control unit only. Read page 26 for details.


BYPASS
PRO LOGIC
3 STEREO
SURROUND MEMORY
CENTER MODE
TEST TONE
M.CALL
ON/OFF
MODE

MUTE key
Press to reduce the volume temporary. During operation, the indicator on the VOLUME CONTROL knob blinks.

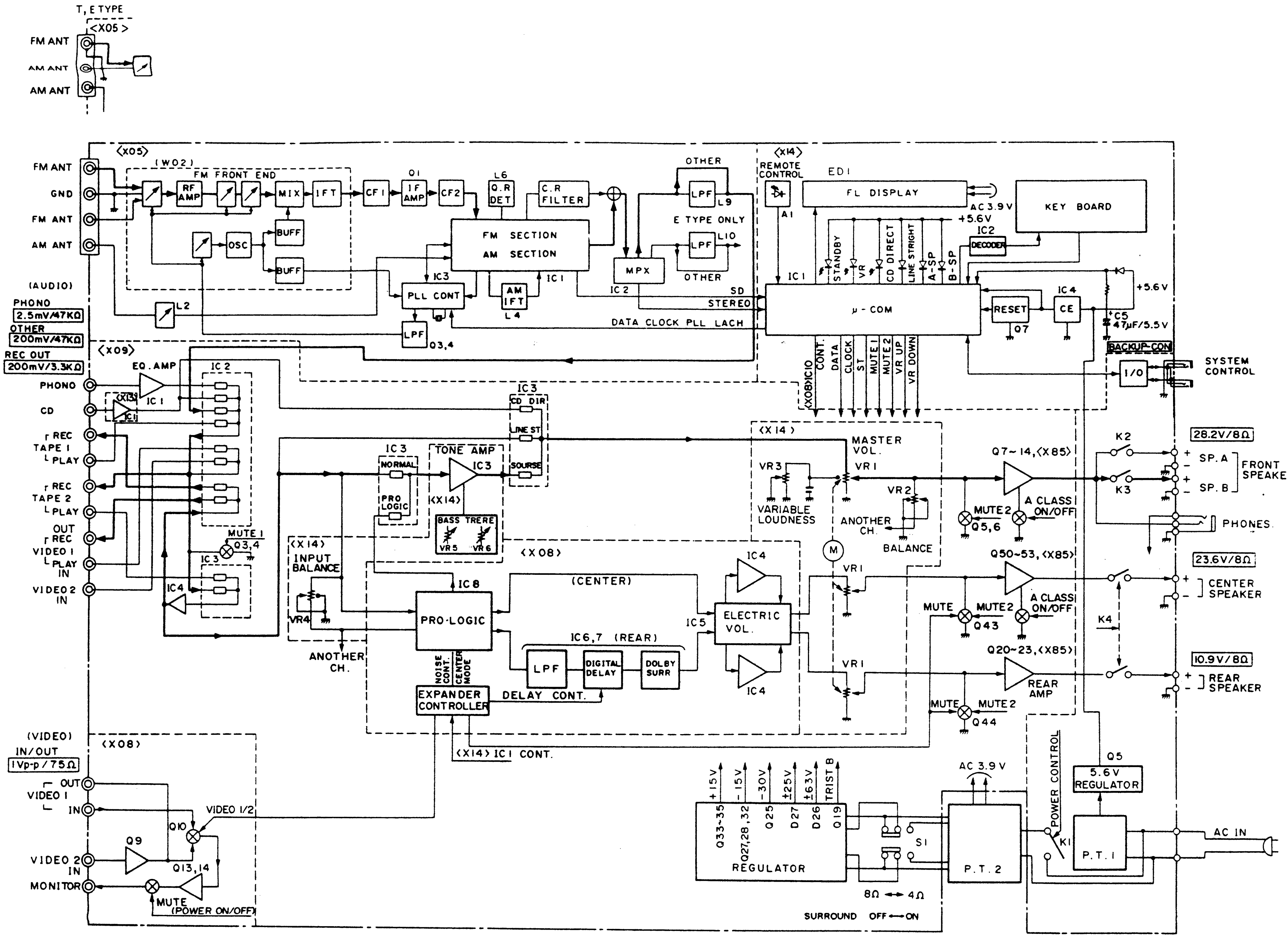
Input selector keys
Switches the input selector on the amplifier.

Surround level control keys
CENTER LEVEL
REAR LEVEL
DELAY TIME

VOLUME CONTROL keys
Adjust the volume. During operation, the VOLUME CONTROL knob on the front panel turns and the indicator on the knob blinks at high speed.

BLOCK DIAGRAM

KR-V7030


T, E TYPE
<X05>
FM ANT
AM ANT
AM ANT
<X05>
(W02)
FM FRONT END
FM ANT
GND
FM ANT
AM ANT
RF AMP
MIX
IFT
CF1
Q1
IF AMP
CF2
L6
Q.R DET
C.R FILTER
OSC
BUFF
BUFF
FM SECTION
AM SECTION
IC3
PLL CONT
AM IFT
L4
IC1
LPF
Q3,4
L2
MPX
IC2
OTHER
LPF
L9
E TYPE ONLY
LPF
L10
OTHER
SD
STEREO
DATA CLOCK PLL LACH
<X14>
REMOTE CONTROL
A1
ED1
FL DISPLAY
AC 3.9V
KEY BOARD
+5.6V
IC2
DECODER
STANDBY
VR
CD DIRECT
LINE STRIGHT
A-SP
B-SP
IC1
μ-COM
RESET
Q7
IC4
CE
+5.6V
C5
47μF/5.5V
BACKUP-CON
I/O
SYSTEM CONTROL
<X08>IC10
CONT.
DATA
CLOCK
ST
MUTE 1
MUTE 2
VR UP
VR DOWN
(AUDIO)
PHONO
2.5mV/47KΩ
OTHER
200mV/47KΩ
REC OUT
200mV/3.3KΩ
<X09>
EQ. AMP
IC1
IC2
PHONO
CD
<X13>
IC1
REC
TAPE 1
PLAY
REC
TAPE 2
PLAY
OUT
REC
VIDEO 1
PLAY
IN
VIDEO 2
IN
MUTE 1
Q3,4
IC3
IC4
IC3
CD DIR
LINE ST
SOURSE
IC3
NORMAL
PRO LOGIC
TONE AMP
IC3
<X14>
BASS
TRERE
VR5
VR6
<X14>
MASTER VOL.
VR3
VR1
VR2
VARIABLE LOUDNESS
ANOTHER CH.
BALANCE
M
VR1
VR1
Q7~14, <X85>
MUTE 2
Q5,6
A CLASS ON/OFF
K2
K3
28.2V/8Ω
SP. A
SP. B
FRONT SPEAKER
PHONES
Q50~53, <X85>
23.6V/8Ω
CENTER SPEAKER
MUTE
MUTE 2
Q43
A CLASS ON/OFF
K4
Q20~23, <X85>
10.9V/8Ω
REAR AMP
REAR SPEAKER
MUTE
MUTE 2
Q44
<X14>
INPUT BALANCE
VR4
ANOTHER CH.
<X08>
IC8
PRO-LOGIC
(CENTER)
IC6,7 (REAR)
LPF
DIGITAL DELAY
DOLBY SURR
IC5
ELECTRIC VOL.
IC4
IC4
NOISE CONT.
CENTER MODE
EXPANDER CONTROLLER
DELAY CONT.
<X14> IC1 CONT.
(VIDEO)
IN/OUT
1Vp-p/75Ω
<X08>
OUT
VIDEO 1
IN
VIDEO 1/2
Q10
Q9
VIDEO 2
IN
Q13,14
MONITOR
MUTE
(POWER ON/OFF)
+15V
-15V
-30V
±25V
±63V
TRIST B
Q33~35
Q27,28,32
Q25
D27
D26
Q19
REGULATOR
S1
8Ω ↔ 4Ω
SURROUND OFF ↔ ON
AC 3.9V
P.T. 2
POWER CONTROL
K1
Q5
5.6V REGULATOR
P.T. 1
AC IN

1-1. Initial Setting

1) Function initial setting

POWER	OFF
SELECTOR (AUDIO)	TUNER
SELECTOR (VIDEO)	VIDEO 1
TAPE 2	OFF
CD DIRECT	OFF
LINE STRAIGHT	OFF
SPEAKERS A	ON
SPEAKERS B	OFF
BAND	FM
FREQUENCY	87.5 MHz
AUTO/MONO	AUTO
FL DISPLAY OF PRESET CHANEL	"- -"
SURROUND	BYPASS
CENTER LEVEL	-20dB
REAR LEVEL	-20dB
DELAY TIME	20ms

2) Frequency memorized for each PRESET channel when the memory is cleared (Test frequency)

DESTINATION / CH	K		E	
	BAND	FREQUENCY	BAND	FREQUENCY
1	FM	98.00	FM	98.00
2	FM	108.00	FM	108.00
3	AM	630	AM	630
4	AM	990	AM	990
5	AM	1440	AM	1440
6	AM	1610	AM	1602
7	FM *(AM)	87.50 (1700)	FM	87.50
8	FM	87.50	FM	87.50
9	FM	87.50	FM	87.50
10	FM	89.10	FM	89.10
11 ~ 20	FM	87.50	FM	87.50

* 1700kHz is set for WIDE only. FM: MHz
AM: kHz

3) The initial setting is performed in a following event:

1. When backup memory data is destroyed when reset is applied to the microprocessor.
2. When the power cord is plugged in to the AC wall outlet while pressing the TUNER key.

1-2. Test Mode Setting

1) Method of entering the test mode (1)

While pressing the CD key, plug the power cord to the AC wall outlet. When the test mode is entered, the FL tube display all lights.

2) Method of entering the test mode (2)

Set the test mode (1), then, when the following keys is pressed, test mode (2) is entered.

- (TUNING) UP/DOWN
- +10
- BAND
- CD DIRECT
- 3-STEREO
- PRO LOGIC

3) Contents of test mode (2)

- (TUNING) UP : Electrically driven volume up.
- (TUNING) DOWN : Electrically driven volume down.
- +10 : Electrically driven volume stop. After press PRO-LOGIC key or 3 stereo key (dolby on)
- BAND : Test tone ON/OFF
- CD DIRECT : Test tone mode (test L/C/R/S)
- CENTER LEVEL :

  -20dB → -∞dB → -40dB → 0dB ↩

- REAR LEVEL :

  -20db → -∞dB → -40dB → 0dB ↩

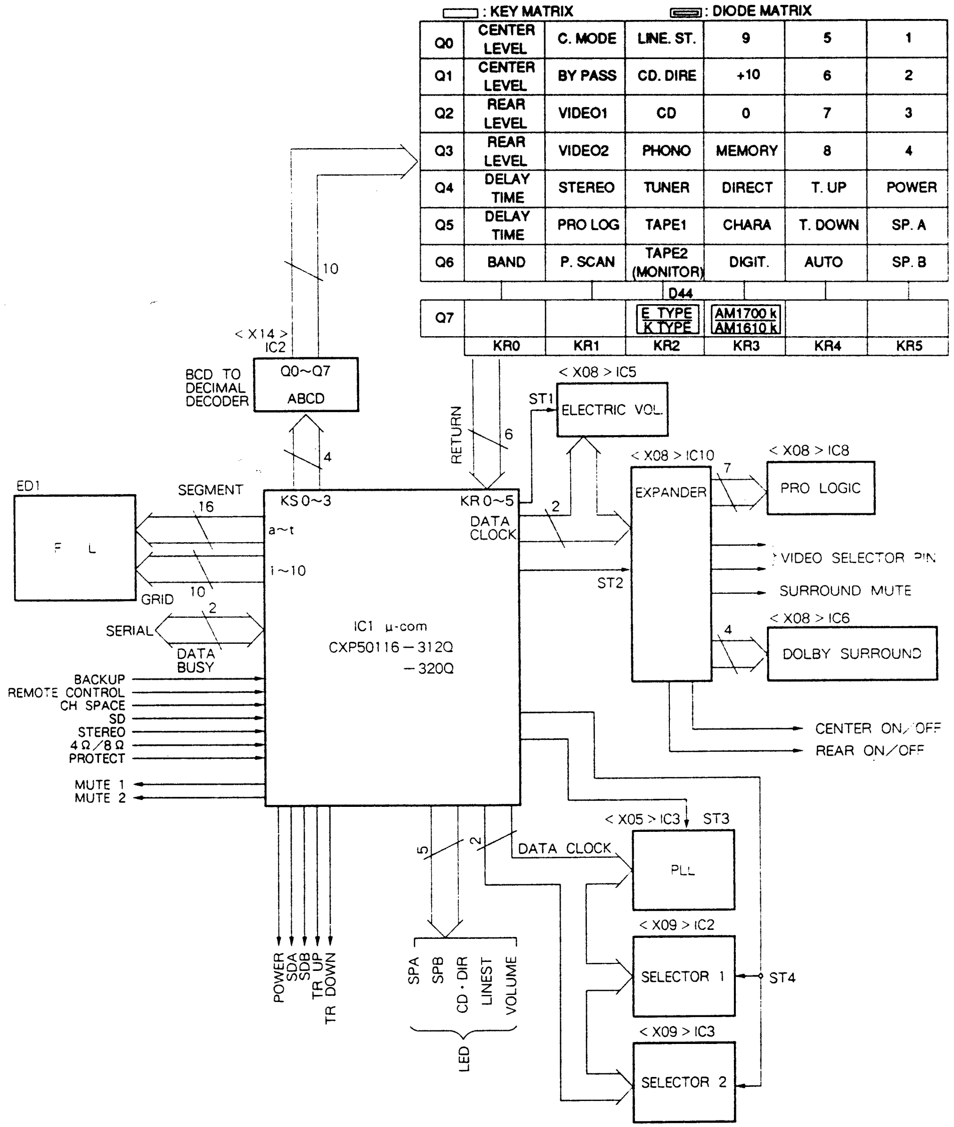
- DELAY TIME : 16 ~ 30 ms (Continue action 200ms ISTEP)

4) Method of canceling the test mode

Unplug the power cord from the AC wall outlet once.

2.CXP50116-312Q/-320Q(X14:IC1)MICRPROCESSOR

2.1 Terminal connection diagram



▭ : KEY MATRIX ▨ : DIODE MATRIX

	KR0	KR1	KR2	KR3	KR4	KR5
Q0	CENTER LEVEL	C. MODE	LINE. ST.	9	5	1
Q1	CENTER LEVEL	BY PASS	CD. DIRE	+10	6	2
Q2	REAR LEVEL	VIDEO1	CD	0	7	3
Q3	REAR LEVEL	VIDEO2	PHONO	MEMORY	8	4
Q4	DELAY TIME	STEREO	TUNER	DIRECT	T. UP	POWER
Q5	DELAY TIME	PRO LOG	TAPE1	CHARA	T. DOWN	SP. A
Q6	BAND	P. SCAN	TAPE2 (MONITOR)	DIGIT.	AUTO	SP. B
Q7			E TYPE K TYPE	AM1700 k AM1610 k		

D44
10
< X14 >
IC2
BCD TO DECIMAL DECODER
Q0~Q7
ABCD
4
RETURN
6
< X08 > IC5
ST1
ELECTRIC VOL.
ED1
F L
SEGMENT
16
GRID
10
SERIAL
2
DATA
BUSY
KS 0~3
a~t
i~10
KR 0~5
DATA
CLOCK
2
ST2
IC1 μ-com
CXP50116-312Q
-320Q
< X08 > IC10
EXPANDER
7
< X08 > IC8
PRO LOGIC
VIDEO SELECTOR PIN
SURROUND MUTE
< X08 > IC6
4
DOLBY SURROUND
CENTER ON/OFF
REAR ON/OFF
BACKUP
REMOTE CONTROL
CH SPACE
SD
STEREO
4Ω/8Ω
PROTECT
MUTE 1
MUTE 2
5
2
DATA CLOCK
< X05 > IC3
ST3
PLL
< X09 > IC2
SELECTOR 1
ST4
< X09 > IC3
SELECTOR 2
POWER
SDA
SDB
TR UP
TR DOWN
SPA
SPB
CD・DIR
LINEST
VOLUME
LED

CIRCUIT DESCRIPTION

1) Destination set SW: E type/K type

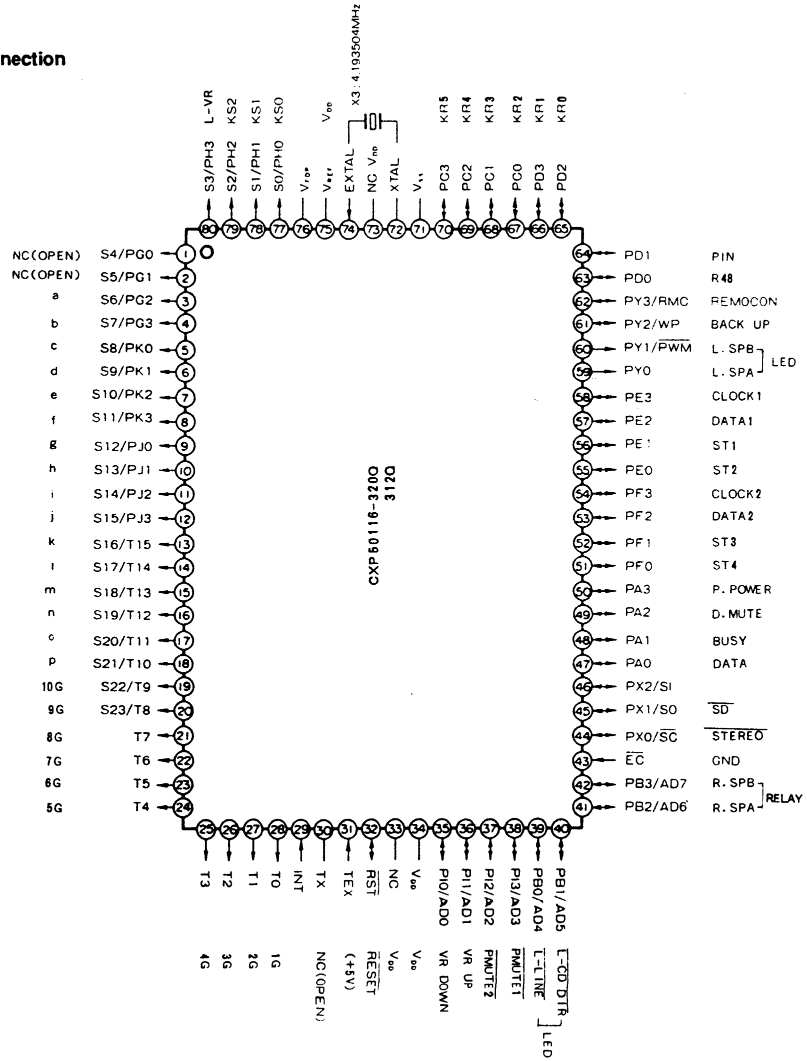
Destination set SW	Desti- nation	BAND	Reception frequency band	Channel space	Reference frequency
O	K	FM	87.5~108.0 MHz	100 kHz	50 kHz
		AM	530~1610 kHz 530~1700 kHz	10 kHz	10 kHz
1	E	FM	87.5~108.0 MHz	50 kHz	50 kHz
		AM	531~1602 kHz	9 kHz	9 kHz

2) Specification set SW: AM1700k/AM1610k

With destination sert SW at "0" : Effective only for K type

Specification st SW	AM reception frequency band
0	530-1610 kHz
1	530-1700 kHz

2. 2 Pin connection


X3 : 4.193504MHz
L-VR
KS2
KS1
KS0
V_DD
KR5
KR4
KR3
KR2
KR1
KR0
S3/PH3
S2/PH2
S1/PH1
S0/PH0
V_FDP
V_REF
EXTAL
NC V_DD
XTAL
V_SS
PC3
PC2
PC1
PC0
PD3
PD2
NC(OPEN) S4/PG0
NC(OPEN) S5/PG1
a S6/PG2
b S7/PG3
c S8/PK0
d S9/PK1
e S10/PK2
f S11/PK3
g S12/PJ0
h S13/PJ1
i S14/PJ2
j S15/PJ3
k S16/T15
l S17/T14
m S18/T13
n S19/T12
o S20/T11
p S21/T10
10G S22/T9
9G S23/T8
8G T7
7G T6
6G T5
5G T4
CXP50116-320Q
312Q
PD1 PIN
PD0 R48
PY3/RMC REMOCON
PY2/WP BACK UP
PY1/PWM L.SPB
PY0 L.SPA
LED
PE3 CLOCK1
PE2 DATA1
PE1 ST1
PE0 ST2
PF3 CLOCK2
PF2 DATA2
PF1 ST3
PF0 ST4
PA3 P.POWER
PA2 D.MUTE
PA1 BUSY
PA0 DATA
PX2/SI
PX1/SO SD
PX0/SC STEREO
EC GND
PB3/AD7 R.SPB
PB2/AD6 R.SPA
RELAY
T3 4G
T2 3G
T1 2G
T0 1G
INT
TX NC(OPEN)
TEX (+5V)
RST RESET
NC V_DD
V_DD
PI0/AD0 VR DOWN
PI1/AD1 VR UP
PI2/AD2 P.MUTE2
PI3/AD3 P.MUTE1
PB0/AD4 L-LINE
PB1/AD5 L-CD DTR
LED
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80

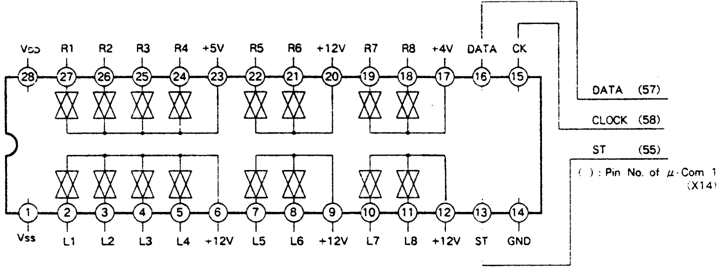
CIRCUIT DESCRIPTION

2.3 PIN DESCRIPTION

Pin No.	I/O	Name	Function
1, 2	-	No use	(OPEN)
3 ~18	O	SEGMENT 1~16	FL segment (a,j,h,k,b,f,g,m,c,e,r,n,p,d,s,t)
19 ~ 28	O	GRID 1~10	FL grid 10~1
29 ~ 31	I	INT, TX, TEX	No use.
32	I/O	RESET	Reset pin
33	-	No use	(+5V)
34	-	VDD	Power supply pin
35	I	VRDOWN	Electrically driven volume control H: VOL down L: Normal state
36	I	VRUP	Electrically driven volume control H: VOL up L: Normal state
37	I	P MUTE2	Line out mute control H: MUTE OFF MUTE 2 L: MUTE ON
38	I	P MUTE1	TAPE 2 REC OUT mute control H: MUTE OFF L: MUTE ON
39	O	L LINE	LED LINE STRAIGHT H: OFF L: ON
40	O	L CDDIR	LED CD DIRECT H: OFF L: ON
41	O	R SPA	Speaker A relay H: ON L: OFF
42	O	R SPB	Speaker B relay H: ON L: OFF
43	-	EC	(GND)
44	I	STEREO	Stereo signal input H: MONO L: STEREO
45	I	SD	Tuning signal input H: NO SIGNAL L: TUNED
46	-	No use	(GND)
47	I/O	DATA	Serial "DATA"
48	I/O	BUSY	Serial "BUSY'
49	O	D MUTE	Data mute (for IC control)
50	O	P POWER	Power H: ON L: OFF
51	O	ST4	Strobe 4 (selector)
52	O	ST3	Strobe 3 (PLL)
53	O	DATA2	Data 2 (PLL, selector)
54	O	CLOCK2	Clock 2 (PLL, selector)
55	O	ST2	Strobe 2 (expansion)
56	O	ST1	Strode 1 (electric volume)
57	O	DATA1	Data 1 (electric volume expansion)
58	O	CLOK1	Clock 1 (electric volume expansion)
59	O	L SPA	LED speaker A H: OFF L: ON
60	O	L SPB	LED speaker B H: OFF L: ON
61	I	BACKUP	Backup input pin
62	I	REMOCON	Remote control input pin
63	I	R48	Speaker impedance (4Ω/8Ω) selection input H: 4Ω L: 8Ω
64	I	PIN	Protection input pin
65 ~70	I	KRO~5	Key return 0~5 H: There is input. L: There is no input.
71	-	Vss	GND
72	-	XTAL	System clock oscillation pin
73	-	No use	(GND)
74	I	EXTAL	System clock oscillation pin
75	-	VREF	No use
76	-	VFDP	Power supply for flourescent display drive pin
77 ~79	O	KSO~2	Key scan 0~2
80	O	LVR	LED volume H: ON L: OFF

CIRCUIT DESCRIPTION

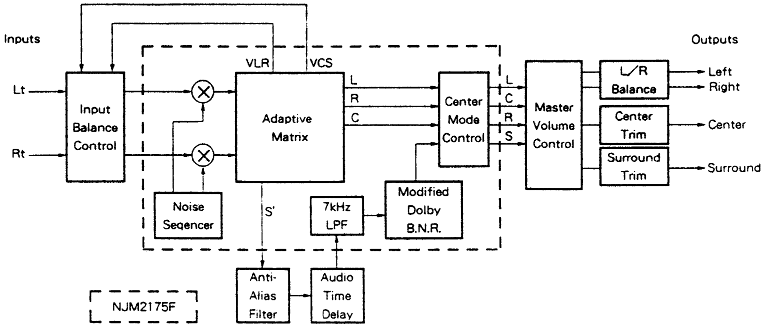
3. TC9164N (X08 : IC10) EXPANDER CONTROL

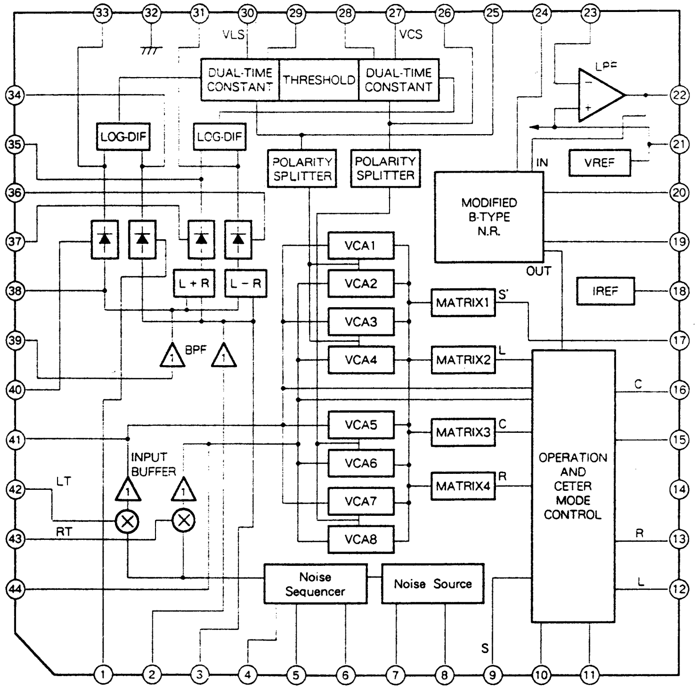

VDD R1 R2 R3 R4 +5V R5 R6 +12V R7 R8 +4V DATA CK
28 27 26 25 24 23 22 21 20 19 18 17 16 15
1 2 3 4 5 6 7 8 9 10 11 12 13 14
Vss L1 L2 L3 L4 +12V L5 L6 +12V L7 L8 +12V ST GND
DATA (57)
CLOCK (58)
ST (55)
( ) : Pin No. of µ-Com 1 (X14)

Pin No	SW		Contents		
2	L	1	S1	DATA setting of LV1000(DIGITAL DELAY)	Switch ON .....1 ex. When all switches turn OFF, perform the delay of 20.4ms.
3		2	S2		
4		3	S3		
5		4	S4		
7		5	VIDEO2	VIDEO input I, 2 selection	Select the video input of switch OFF.
8		6	VIDEO1		
10		7	CENTER AMP ON/OFF	Switch OFF .....MUTE ON	
11		8	REAR AMP ON/OFF	Switch OFF .....MUTE ON	
27	R	1	MUTE	When change the data of digital delay, perform mute ON/OFF.	
26		2	NOISE CONTROLL	E	Normal signal output : ON Noise signal output : OFF
25		3		A	Switch ON ...."H" Switch OFF ...."L"
24		4		B	
22		5	CENTER OUTPUT ON/OFF	Switch ON..........CENTER OUTPUT Switch OFF.........NO OUTPUT	
21		6	OPERATION MODE CONTROLL	Switch ON ....4ch Switch OFF 3ch	
19		7	CENTER MODE CONTROLL	Switch ON ....NORMAL mode Switch OFF.........PHANTOM mode	When the switch R5 is ON, perform the center mode control. When the switch R7 and 8 become OFF, select the PHANTOM mode.
18		8		Switch ON ....WIDE BAND mode Switch OFF.........PHANTOM mode	

CIRCUIT DESCRIPTION

4. NJM2175F (X08 : IC8) Dolby prologic surround decoder


Inputs
Lt
Rt
Input Balance Control
VLR
VCS
Adaptive Matrix
L
R
C
Center Mode Control
S
Master Volume Control
L/R Balance
Center Trim
Surround Trim
Outputs
Left
Right
Center
Surround
Noise Seqencer
S'
7kHz LPF
Modified Dolby B.N.R.
Anti-Alias Filter
Audio Time Delay
NJM2175F


VLS
VCS
DUAL-TIME CONSTANT
THRESHOLD
DUAL-TIME CONSTANT
LPF
LOG-DIF
LOG-DIF
POLARITY SPLITTER
POLARITY SPLITTER
IN
VREF
MODIFIED B-TYPE N.R.
OUT
VCA1
VCA2
VCA3
VCA4
VCA5
VCA6
VCA7
VCA8
L+R
L-R
BPF
IREF
MATRIX1
MATRIX2
MATRIX3
MATRIX4
S'
L
C
R
INPUT BUFFER
LT
RT
OPERATION AND CETER MODE CONTROL
Noise Sequencer
Noise Source
S
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21 22
23 24 25 26 27 28 29 30 31 32 33
34 35 36 37 38 39 40 41 42 43 44

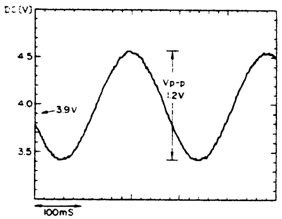
CIRCUIT DESCRIPTION

Pin name

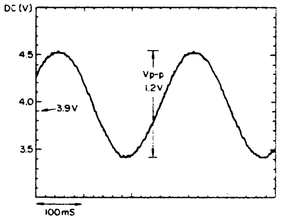
Pin NO.	Pin name	Pin NO.	Pin name	Pin NO.	Pin name
1	R-RECT-TC	*16	C-OUT	31	S-RECT-OUT
2	R-BPF-IN	*17	S'-OUT	32	GND
3	R-BPF-OUT	18	IREF	33	L-RECT-OUT
4	NOISE-CNT-E	19	NR-VCF	34	R-RECT-OUT
5	NOISE-CNT-A	20	NR-WT	35	C-RECT-OUT
6	NOISE-CNT-B	21	VREF	36	S-RECT-TC
7	NOISE-HPF	22	LPF-OUT	37	C-RECT-TC
8	NOISE-LPF	23	LPF-IN	38	L-BPF-OUT
9	S-OUT	24	NR-TC	39	L-BPF-IN
10	CENTER-CNT	25	VLR-TC3	40	L-RECT-TC
11	MODE-CNT	26	VCS-TC3	41	L-INBUF-OUT
*12	L-OUT	27	VCS-TC2	*42	L-IN
*13	R-OUT	28	VCS-TC1	*43	R-IN
14	Vcc	29	VLR-TC1	44	R-INBUF-OUT
15	CENTER-MODE	30	VLR-TC2		

* : Refer IN/OUTPUT waves.

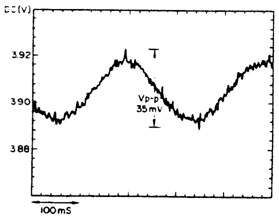
Pin No. 42 (L-IN)



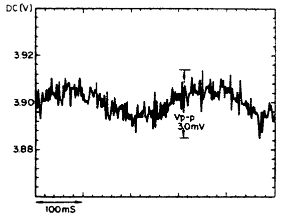
Pin No. 43 (R-IN)



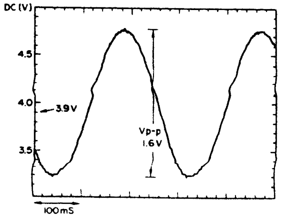
Pin No. 12 (L-OUT)



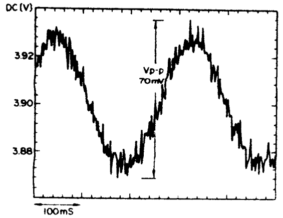
Pin No. 13 (R-OUT)



Pin No. 16 (C-OUT)

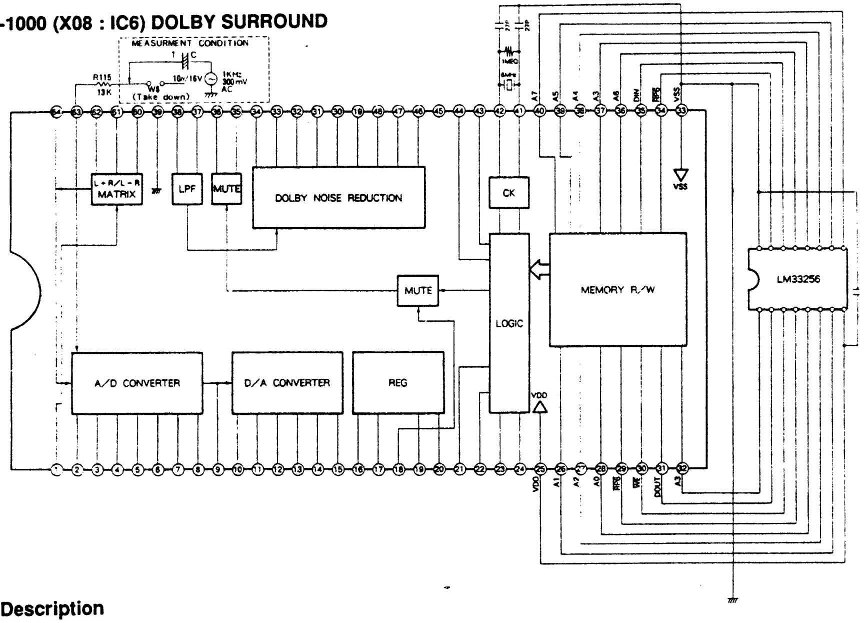


Pin No. 17 (S-OUT)



CIRCUIT DESCRIPTION

5. LV-1000 (X08 : IC6) DOLBY SURROUND


MEASURMENT CONDITION
C
R115
13K
W8
(Take down)
10μ/16V
1KHz
300mV
AC
27P
27P
1MEG
8MHz
L+R/L-R MATRIX
LPF
MUTE
DOLBY NOISE REDUCTION
CK
VSS
MEMORY R/W
LM33256
MUTE
LOGIC
A/D CONVERTER
D/A CONVERTER
REG
VDD
A7
A5
A4
A3
A6
DIN
RAS
VSS
VDD
A1
A2
A0
RAS
WE
DOUT
A3

Pin Description

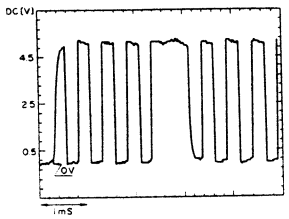
Pin No.	Description	Pin No.	Description
1	No used	42	Crystal oscillator for oscillation circuit
2	Comparator power supply filter	43	No used
3, 15	Detection input filter	44	No used
4, 14	Detection input filter	45	No used
5, 13	Pre-emphasis capacitor	46	NR smoothing capacitor
6, 12	Sliding band filter capacitor	47	NR smoothing capacitor
7	Sliding band filter capacitor and local decoder output	48	Capacitor for control amplifier frequency characteristics
8, 10	Capacitor for smoothing detection output		
9	Capacitor for de-coupling operating threshold voltage	49	Variable resistor input
11	Sliding band filter capacitor and delay output	50	NR input
16	Reference voltage (1/2 Vcc), primary	51	7-kHz low-pass filter output
17	Reference voltage (1/2 Vcc), secondary	52	NR input
18	No used	53	De-coupling capacitor
19	Vcc	*54	Delay output and NR output
20	No used	55	No used
21	Clock for serial input, data input for parallel input	56	No used
22	Data for serial input, data input for parallel input	57	7-kHz filter output
23	Column address selection for serial input, data input for parallel input	58	7-kHz filter input
		59	GND
24	Row address selection for serial input, data input for parallel input	60	No used
		61	No used
25	VDD	62	Matrix output de-coupling capacitor
*26-40	Connection with memory IC	63	Noise shaping and delay input
33	Vss	*64	Noise shaping output
41	Crystal oscillator for oscillation circuit		

* : Refer to IN/OUTPUT waves

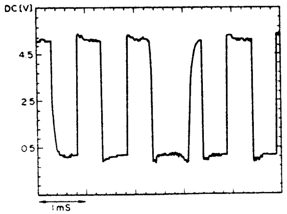
CIRCUIT DESCRIPTION

Measurement Condition	Mode	Normal
	Input	AG output 1kHz 300mV (connect a capacitor 10μ/16V.) It gets between R115 and W8 (Take down W8)

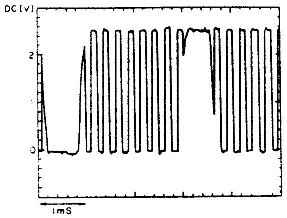
Pin No. 26



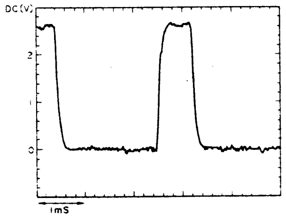
Pin No. 27



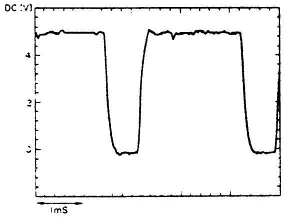
Pin No. 28



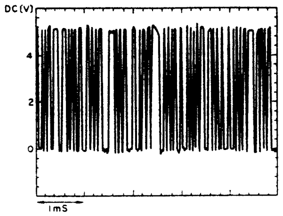
Pin No. 29



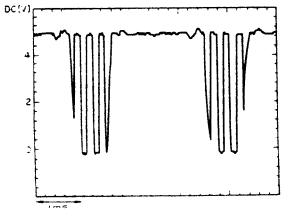
Pin No. 30



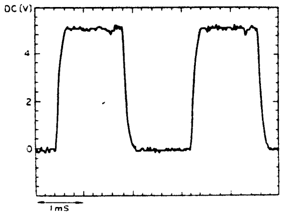
Pin NO. 31



Pin No. 32

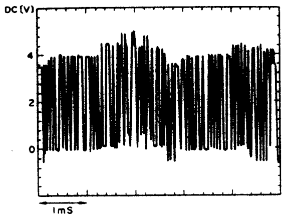


Pin No. 34

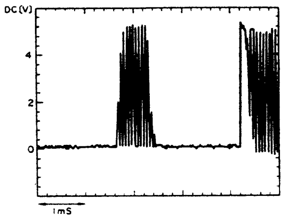


CIRCUIT DESCRIPTION

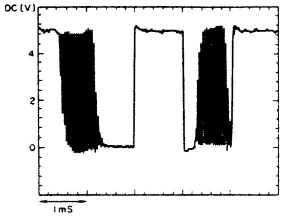
Pin No. 35



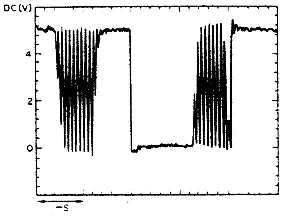
Pin No. 36



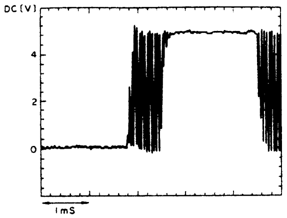
Pin No. 37



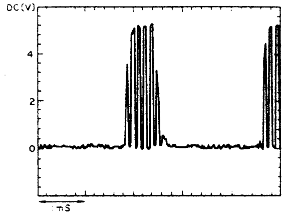
Pin No. 38



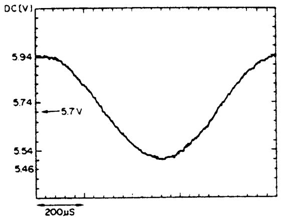
Pin No. 39



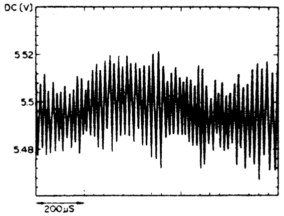
Pin NO. 40



Pin No. 54



Pin No. 64

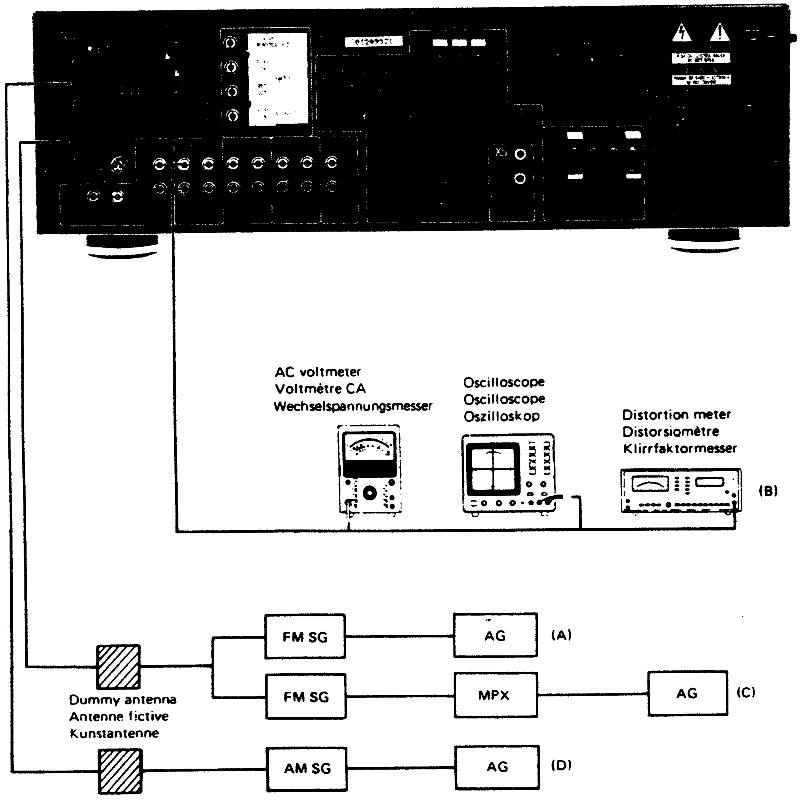


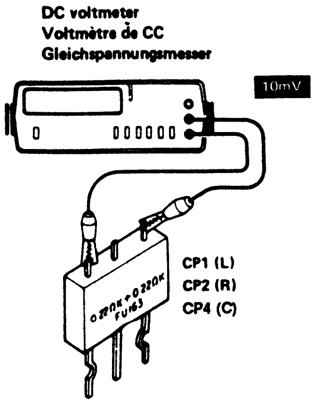
ADJUSTMENT

AM.Section: If alignment piont is "-", Confirm the value.
If not,replace the front end pack.

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	TUNER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
FM SECTION		(X05-)	SELECTOR: FM				
1	DISCRIMINATOR	(A) 98.0MHz 1kHz,±75kHz dev 60dBμ(ANT input)	Connect a DC voltmeter between TP3 and TP4. (X05-)	AUTO or MONO 98.0MHz	L6 (X05-)	0V	(a)
2	VCO	(A) 98.0MHz 0 dev 60dBμ(ANT input)	Connect a frequency counter between TP6 and TP5. (X05-)	AUTO 98.0MHz	VR2 (X05-)	19.00kHz	(b)
3	DISTORTION (STEREO)	(C) 98.0MHz 1kHz,±68.25kHz dev Selector:L or R Pilot:±6.75kHz dev 60dBμ(ANT input)	(B)	98.0MHz	IFT (Front end)	Minimum distortion.(L or R)	
4	SEPARATION (T.E TYPE)	(C) 98.0MHz Stereo signal 60dB(ANT input)	(B)	AUTO 98.0MHz	VR3 (X05-)	Minimum crosstalk	
5	TUNING LEVEL	(A) 98.0MHz 0dev 18dBμ(ANT input)	(B)	AUTO or MONO 98.0MHz	VR1 (X05-)	Adjust VR1 and stop at the point where ED1(TUNED)goes on.	
AM SECTION		(X05-)	SELECTOR: AM				
(1)	TUNING LEVEL	(D) 1000(999)kHz 26dBμ(ANT input)	(B)	-	VR4 (X05-)	Adjust VR4 and stop at the point where ED1(TUNED) goes on.	
AUDIO SECTION							
<1>	IDLE CURRENT	-	(E) Connect a DC voltmeter across CP1(L) CP2(R) CP4(CENTER) (X09-)	Volume:0	VR1(L) VR2(R) VR4(C) (X09-)	10mV	(C)
<2>	DOLBY LEVEL	Prologic:Normal Connect the AG to CD terminal AG output:1kHz. Adjust the AG output level so as to the output of 5pin in CN6(X08-) be 400mV.	Connect a DC voltmeter between 4pin in CN4(X08) and GND.		VR3 (X08-)	300mV	(d)

ADJUSTMENT

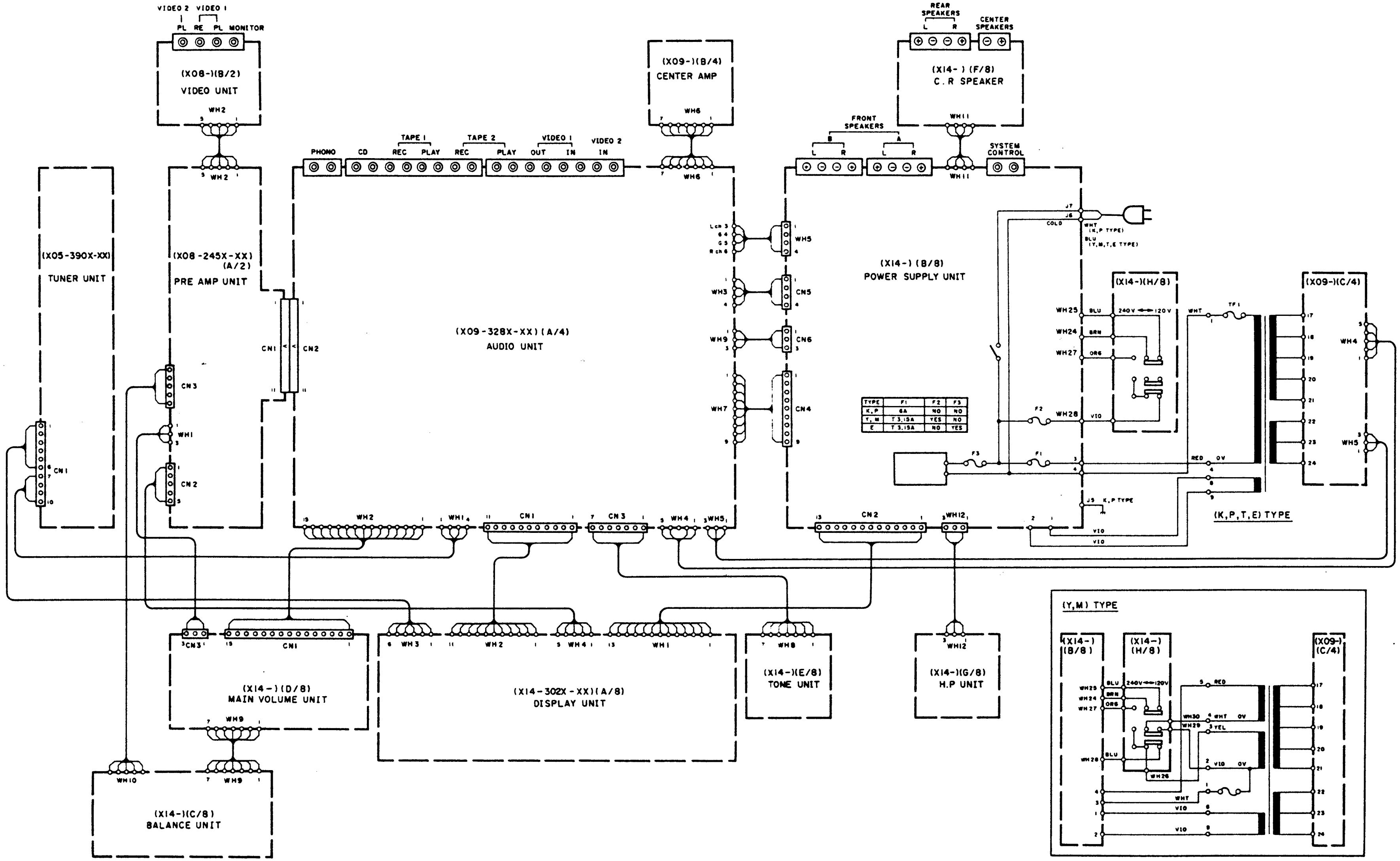

AC voltmeter
Voltmètre CA
Wechselspannungsmesser
Oscilloscope
Oscilloscope
Oszilloskop
Distortion meter
Distorsiomètre
Klirrfaktormesser
(B)
Dummy antenna
Antenne fictive
Kunstantenne
FM SG
AG
(A)
FM SG
MPX
AG
(C)
AM SG
AG
(D)


DC voltmeter
Voltmètre de CC
Gleichspannungsmesser
10mV
000000
CP1 (L)
CP2 (R)
CP4 (C)

(E)

KR-V7030

WIRING DIAGRAM

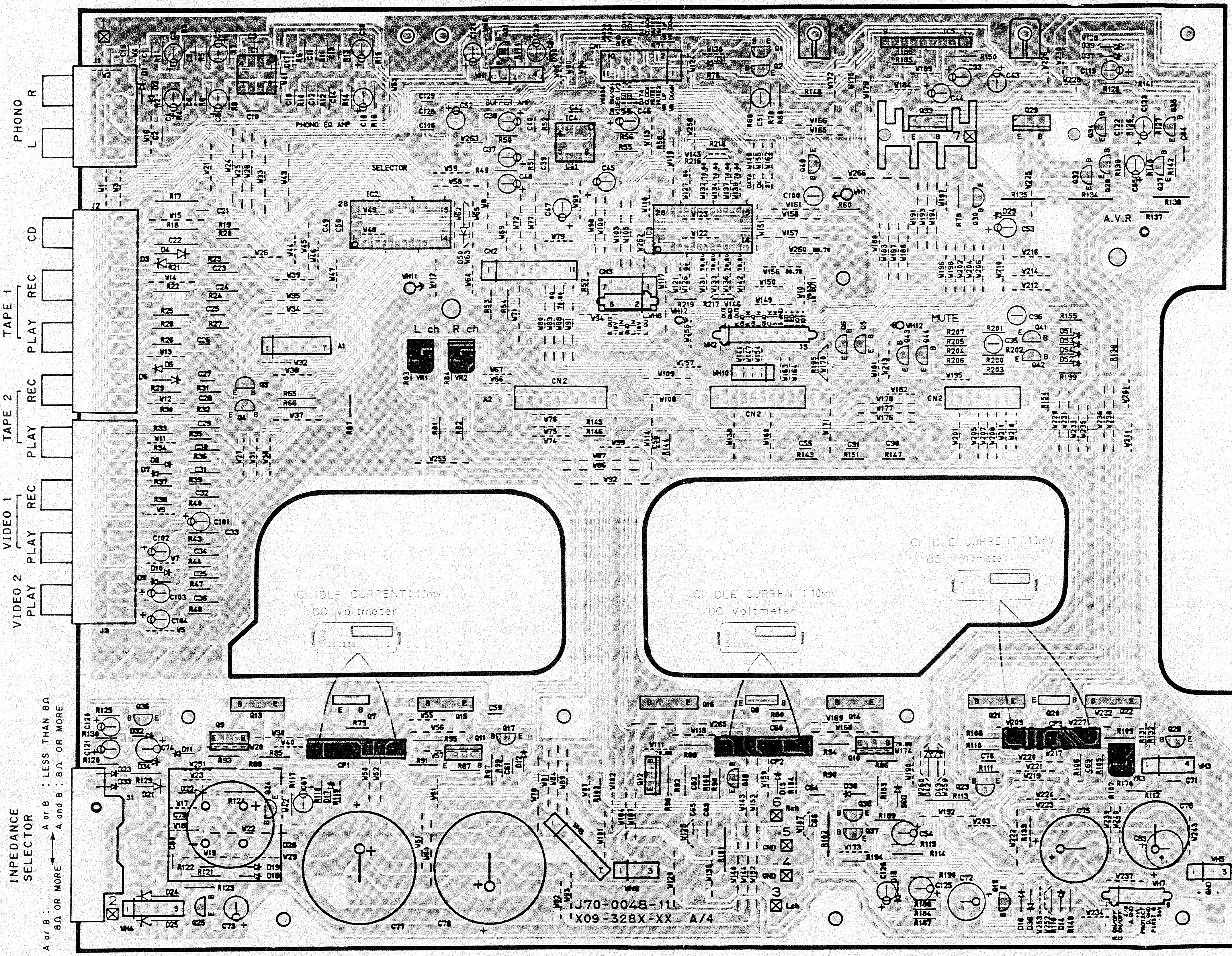

VIDEO 2 VIDEO 1
PL RE PL MONITOR
(X08-)(B/2)
VIDEO UNIT
WH2
(X09-)(B/4)
CENTER AMP
WH6
REAR SPEAKERS
L R
CENTER SPEAKERS
(X14-) (F/8)
C.R SPEAKER
WH11
FRONT SPEAKERS
B A
L R L R
SYSTEM CONTROL
PHONO
CD
TAPE 1
REC PLAY
TAPE 2
REC PLAY
VIDEO 1
OUT IN
VIDEO 2
IN
(X05-390X-XX)
TUNER UNIT
(X08-245X-XX)
(A/2)
PRE AMP UNIT
CN1
CN2
CN3
WH1
(X09-328X-XX)(A/4)
AUDIO UNIT
Lch 3
G 4
G 5
Rch 6
WH5
WH3
CN5
WH9
CN6
WH7
CN4
(X14-) (B/8)
POWER SUPPLY UNIT
J7
J6
COLD
WHT
(K,P TYPE)
BLU
(Y,M,T,E TYPE)
(X14-)(H/8)
WH25
WH24
WH27
WH28
BLU
BRN
ORG
VIO
240V ←→ 120V
WHT
TF1
RED
0V
(X09-)(C/4)
WH4
WH5
F1
F2
F3
J5 K,P TYPE
(K,P,T,E) TYPE
WH2
WH1
CN1
CN3
WH4
WH5
CN2
WH12
(X14-)(D/8)
MAIN VOLUME UNIT
WH9
WH3
WH2
WH4
WH1
(X14-302X-XX)(A/8)
DISPLAY UNIT
WH8
(X14-)(E/8)
TONE UNIT
WH12
(X14-)(G/8)
H.P UNIT
WH10
WH9
(X14-)(C/8)
BALANCE UNIT
(Y,M) TYPE
(X14-)
(B/8)
(X14-)
(H/8)
(X09-)
(C/4)
WH30
WH29
WH26
RED
WHT
YEL
VIO
0V

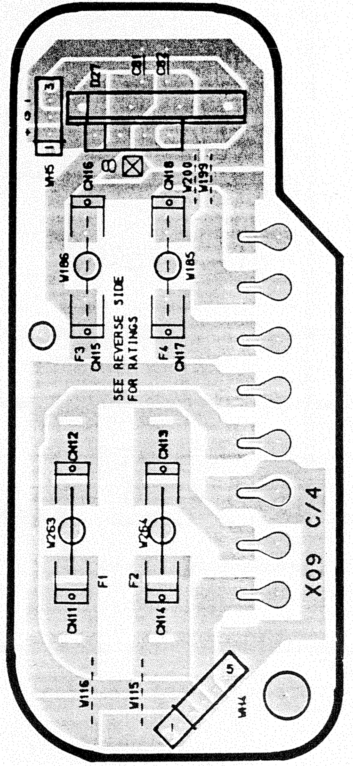
TYPE	F1	F2	F3
K, P	6A	NO	NO
Y, M	T 3.15A	YES	NO
E	T 3.15A	NO	YES

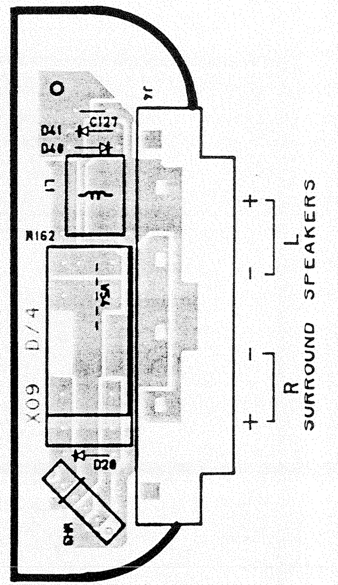
A B C D E F G H I J

PC BOARD (Component Side View)

AUDIO UNIT

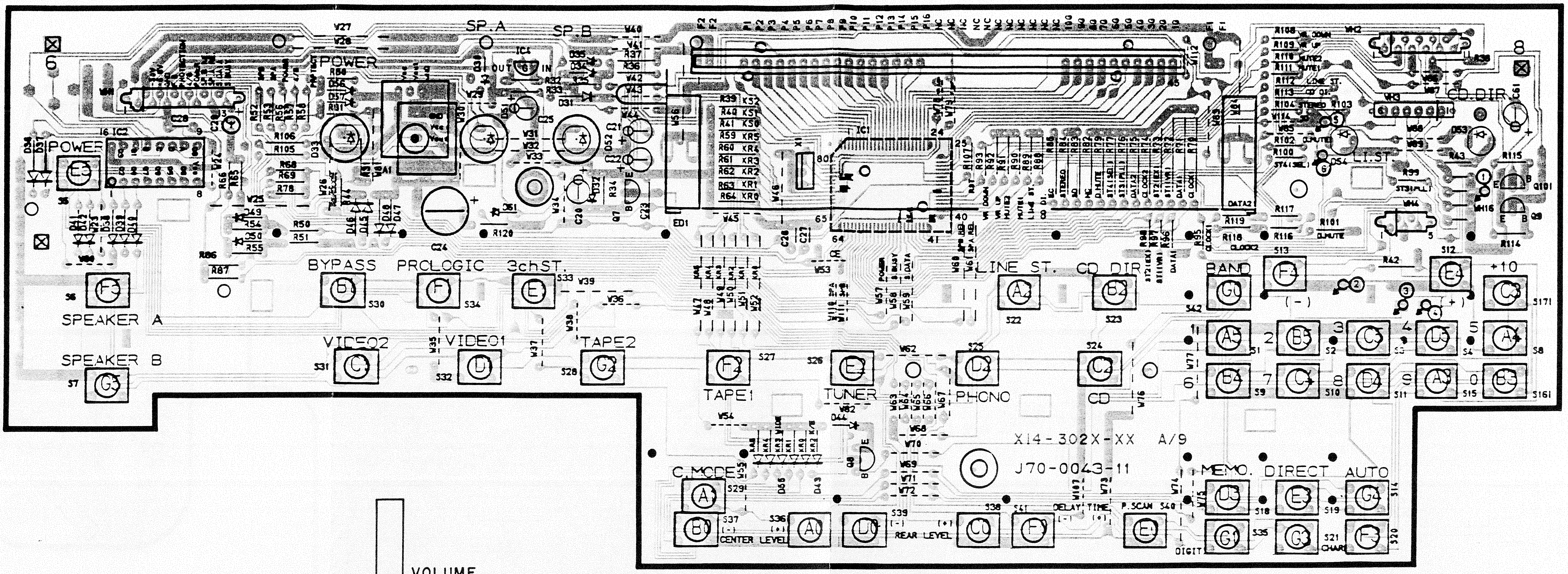

PHONO R L
CD
TAPE 1 REC PLAY
TAPE 2 REC PLAY
VIDEO 1 REC PLAY
VIDEO 2 PLAY
J1
J2
J3
PHONO EQ AMP
BUFFER AMP
SELECTOR
L ch R ch
VR1
VR2
CN2
A.V.R
MUTE
IC IDLE CURRENT: 10mV DC Voltmeter
IC IDLE CURRENT: 10mV DC Voltmeter
IC IDLE CURRENT: 10mV DC Voltmeter
INPEDANCE SELECTOR
A or B : LESS THAN 8Ω
A and B : 8Ω OR MORE
A or B : 8Ω OR MORE
J70-0048-11
X09-328X-XX A/4

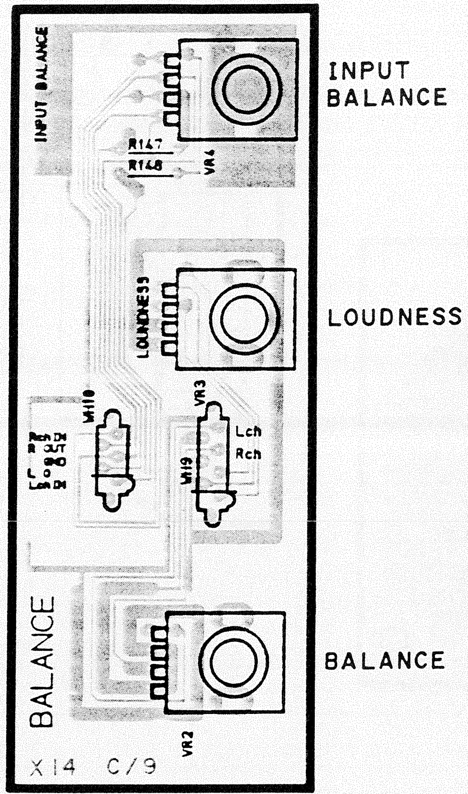

SEE REVERSE SIDE FOR RATINGS
F1
F2
F3
F4
X09 C/4

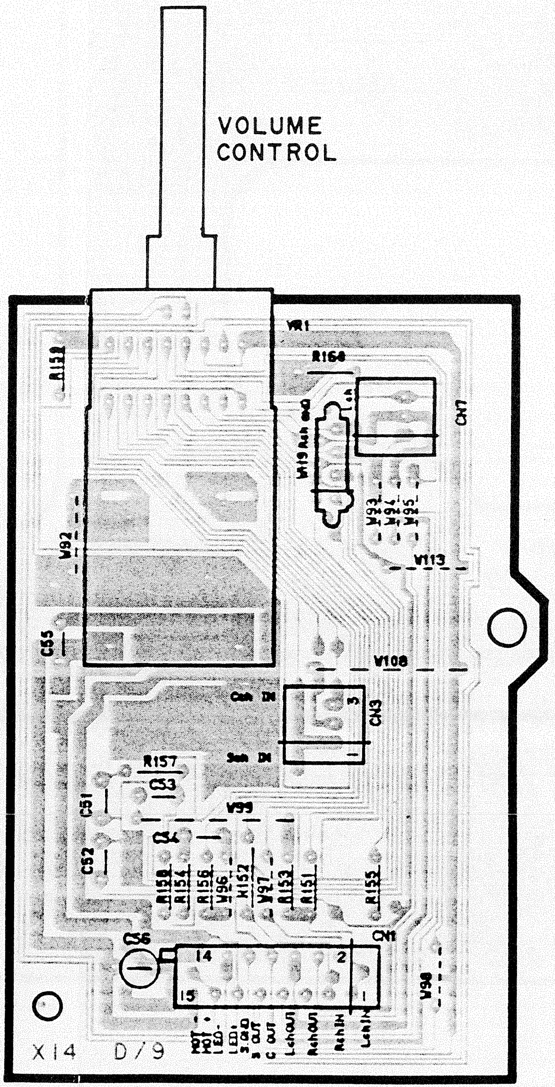

SURROUND SPEAKERS
L
R
+
−
X09 D/4

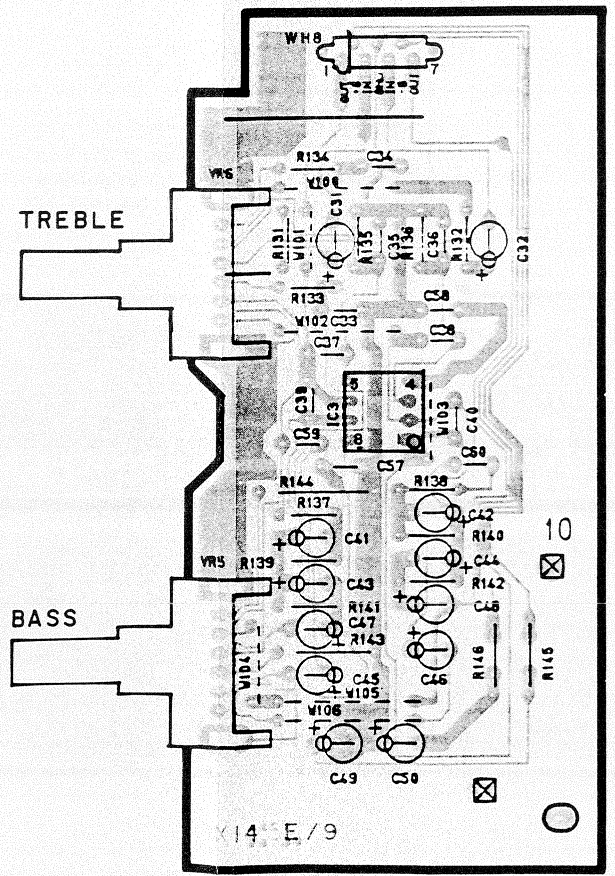
1
2
3
4
5
6
7

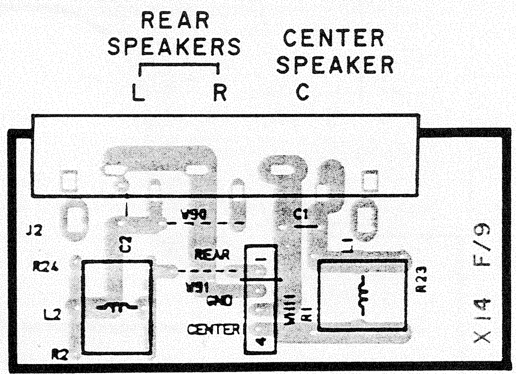
PC BOARD (Component Side View) • DISPLAY UNIT

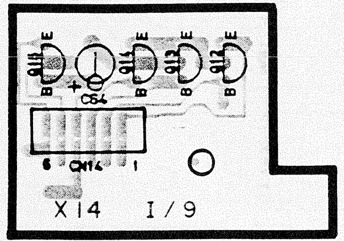

SP.A
SP.B
POWER
POWER
IC1
IC2
IC4
BYPASS
PROLOGIC
3chST.
LINE ST.
CD DIR
BAND
+10
SPEAKER A
SPEAKER B
VIDEO2
VIDEO1
TAPE2
TAPE1
TUNER
PHONO
CD
CD DIR
LI.ST
C.MODE
CENTER LEVEL
REAR LEVEL
DELAY TIME
P.SCAN
MEMO.
DIRECT
AUTO
DIGIT
CHAR
X14-302X-XX A/9
J70-0043-11

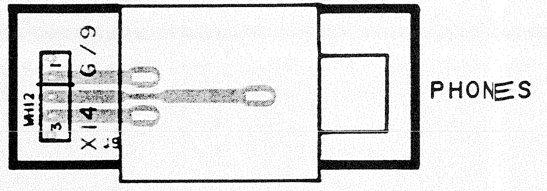

INPUT BALANCE
LOUDNESS
BALANCE
VR4
VR3
VR2
R147
R148
W110
W119
Lch
Rch
X14 C/9


VOLUME CONTROL
VR1
R164
CN1
CN3
CN7
X14 D/9


TREBLE
BASS
WH8
VR6
VR5
IC3
10
X14 E/9

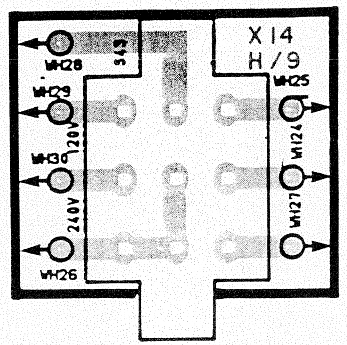

REAR SPEAKERS
L R
CENTER SPEAKER
C
J2
R24
L2
R2
C2
C1
L1
R23
W90
W91
REAR
GND
CENTER
X14 F/9


Q11
Q14
Q13
Q12
C54
CN14
X14 I/9

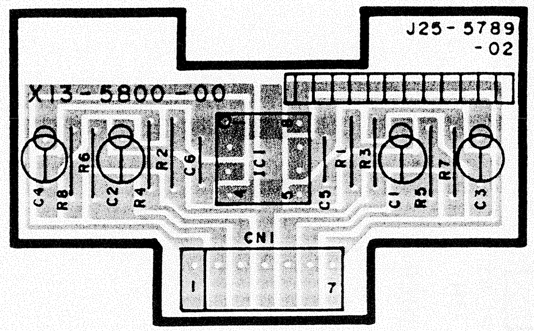

PHONES
W112
X14 G/9

PC BOARD (Component Side View)

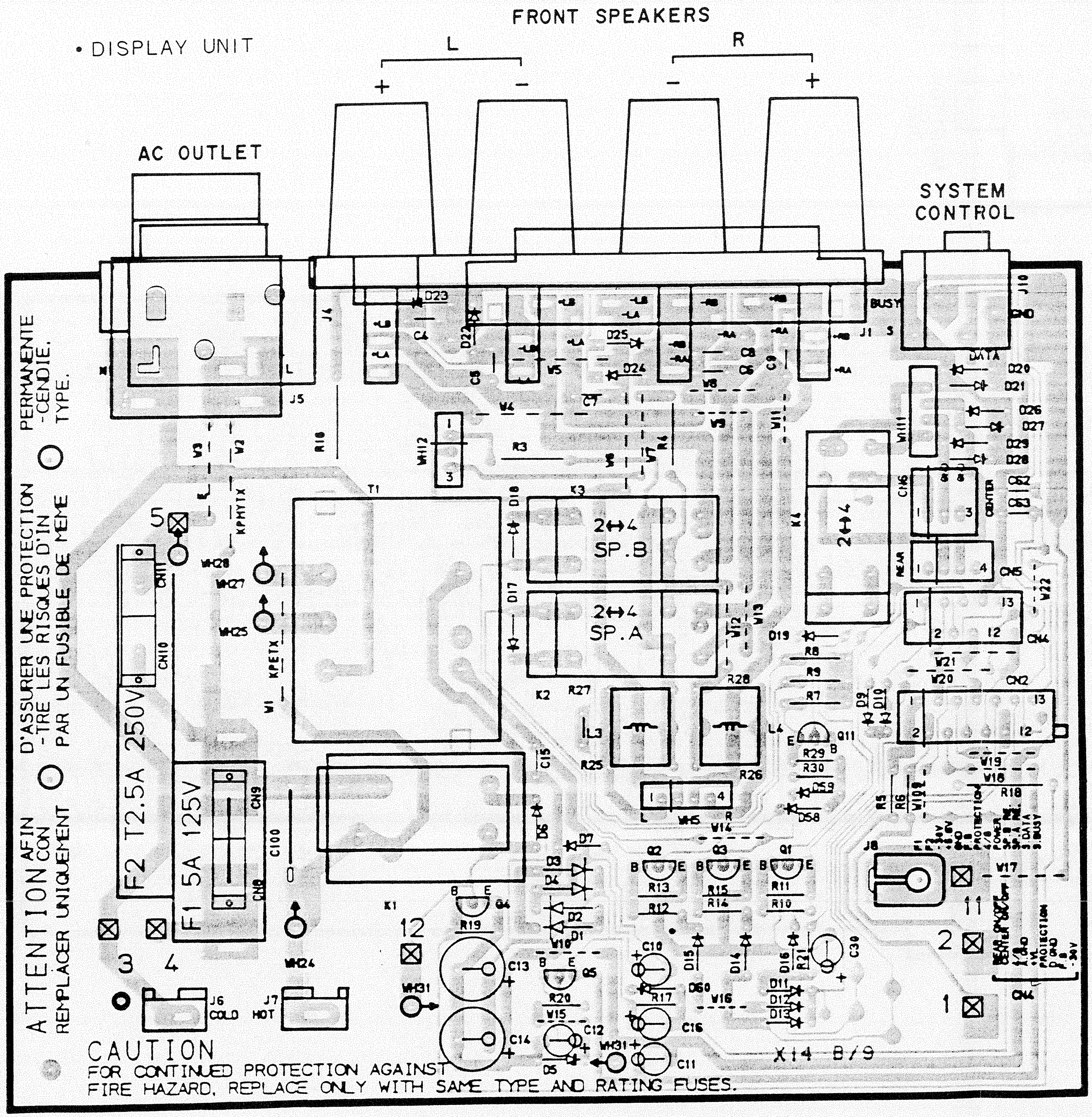
• DISPLAY UNIT


X14
H/9
W128
W129
W130
W126
W125
W124
W127
120V
240V

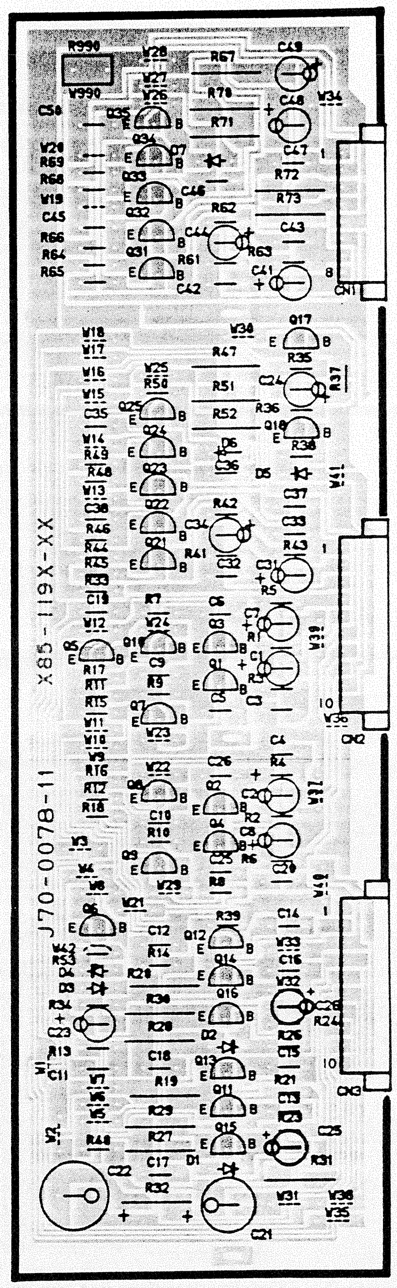
• BAFA UNIT

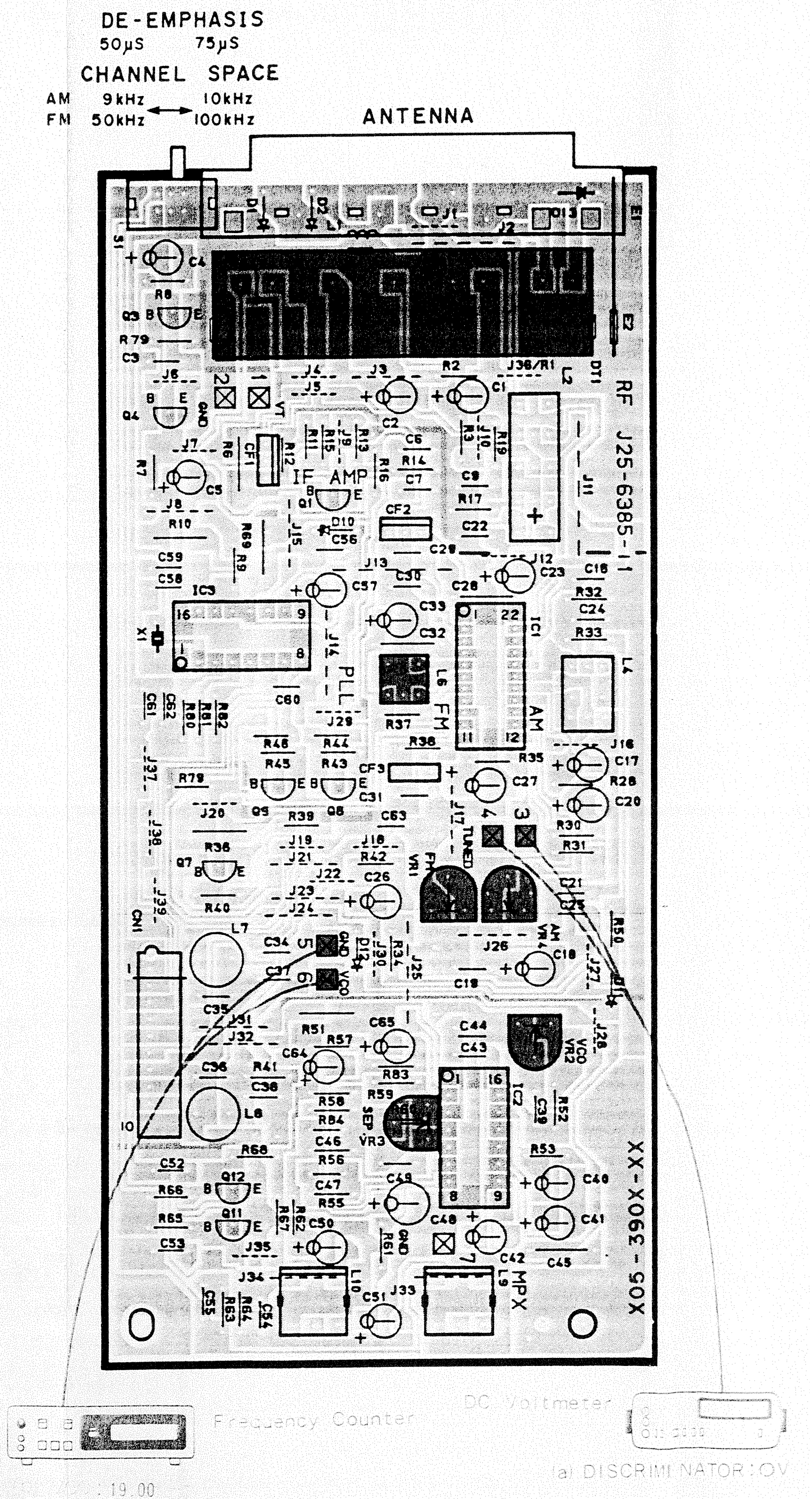

J25-5789
-02
X13-5800-00
IC1
CN1
C4
R8
C2
R4
R2
C6
C5
R1
R3
C1
R5
R7
C3
7

• DISPLAY UNIT

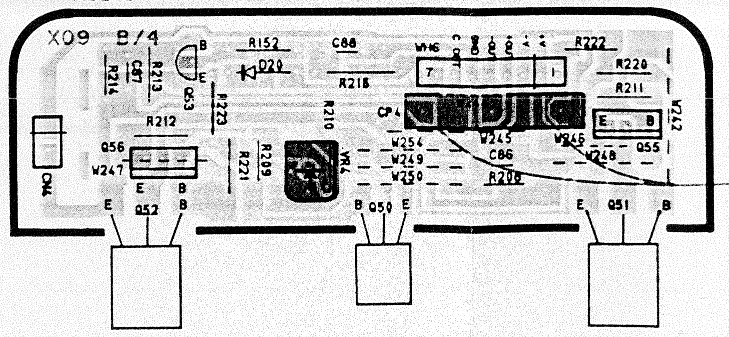

FRONT SPEAKERS
L
R
+
−
−
+
AC OUTLET
SYSTEM
CONTROL
T1
K3
K4
2↔4
SP.B
2↔4
SP.A
2↔4
K1
K2
F2 T2.5A 250V
F1 5A 125V
J6
COLD
J7
HOT
J8
CN1
CN2
CN4
CN5
CN8
CN9
CN10
BUSY
DATA
GND
J10
J1
J4
J5
X14 B/9
ATTENTION AFIN D'ASSURER UNE PROTECTION PERMANENTE CON-TRE LES RISQUES D'IN-CENDIE, REMPLACER UNIQUEMENT PAR UN FUSIBLE DE MEME TYPE.
CAUTION
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD, REPLACE ONLY WITH SAME TYPE AND RATING FUSES.

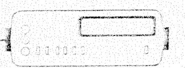
• PRE AMPLIFIER UNIT


X85-119X-XX
J70-0078-11
CN1
CN2
CN3
IC1

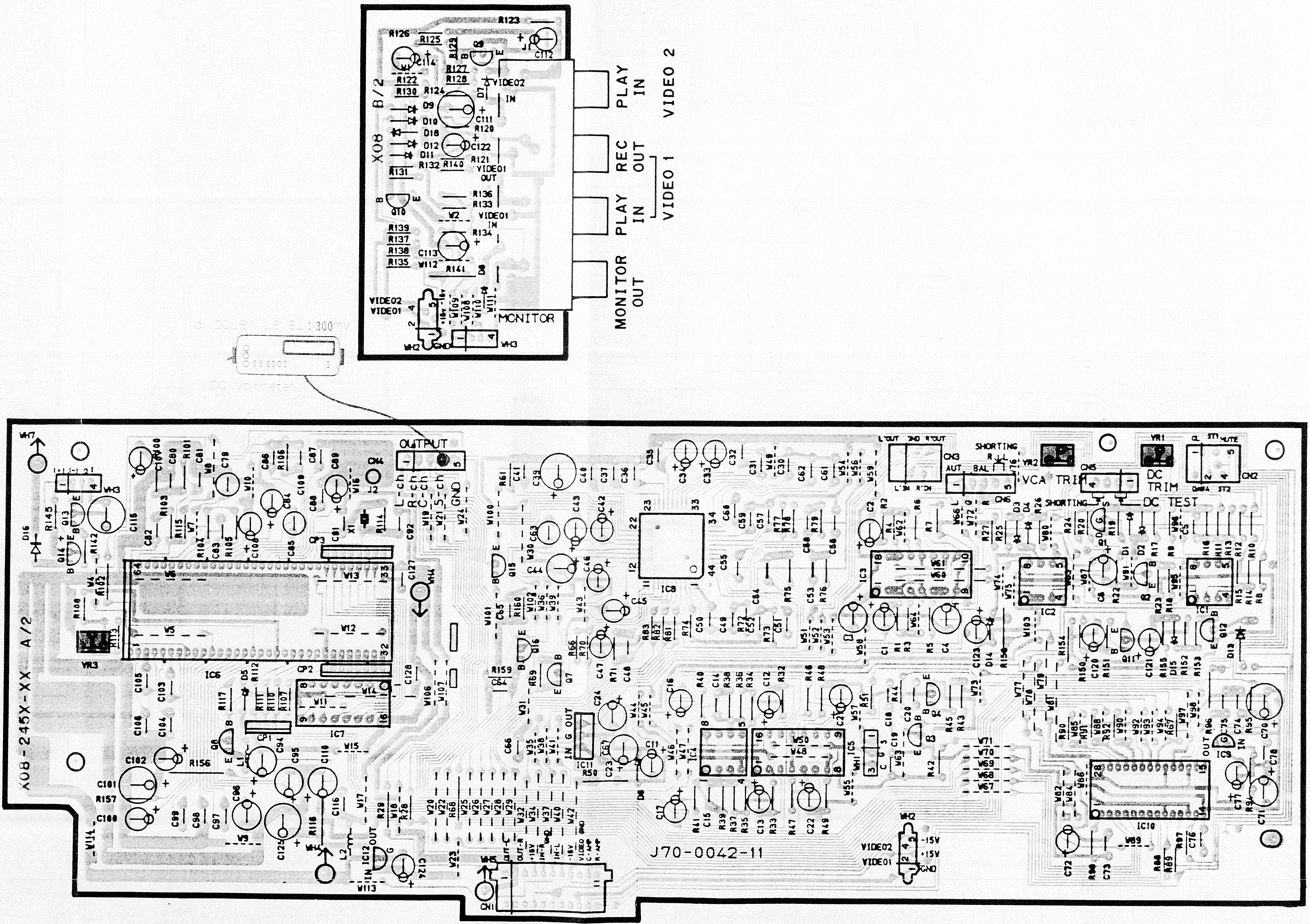

DE-EMPHASIS
50μS 75μS
CHANNEL SPACE
AM 9kHz ↔ 10kHz
FM 50kHz ↔ 100kHz
ANTENNA
RF
J25-6385-1
X05-390X-XX
IF AMP
PLL
IC1
IC2
IC3
FM
AM
MPX
TUNED
Frequency Counter
DC Voltmeter
(a) DISCRIMINATOR : 0V
19.00

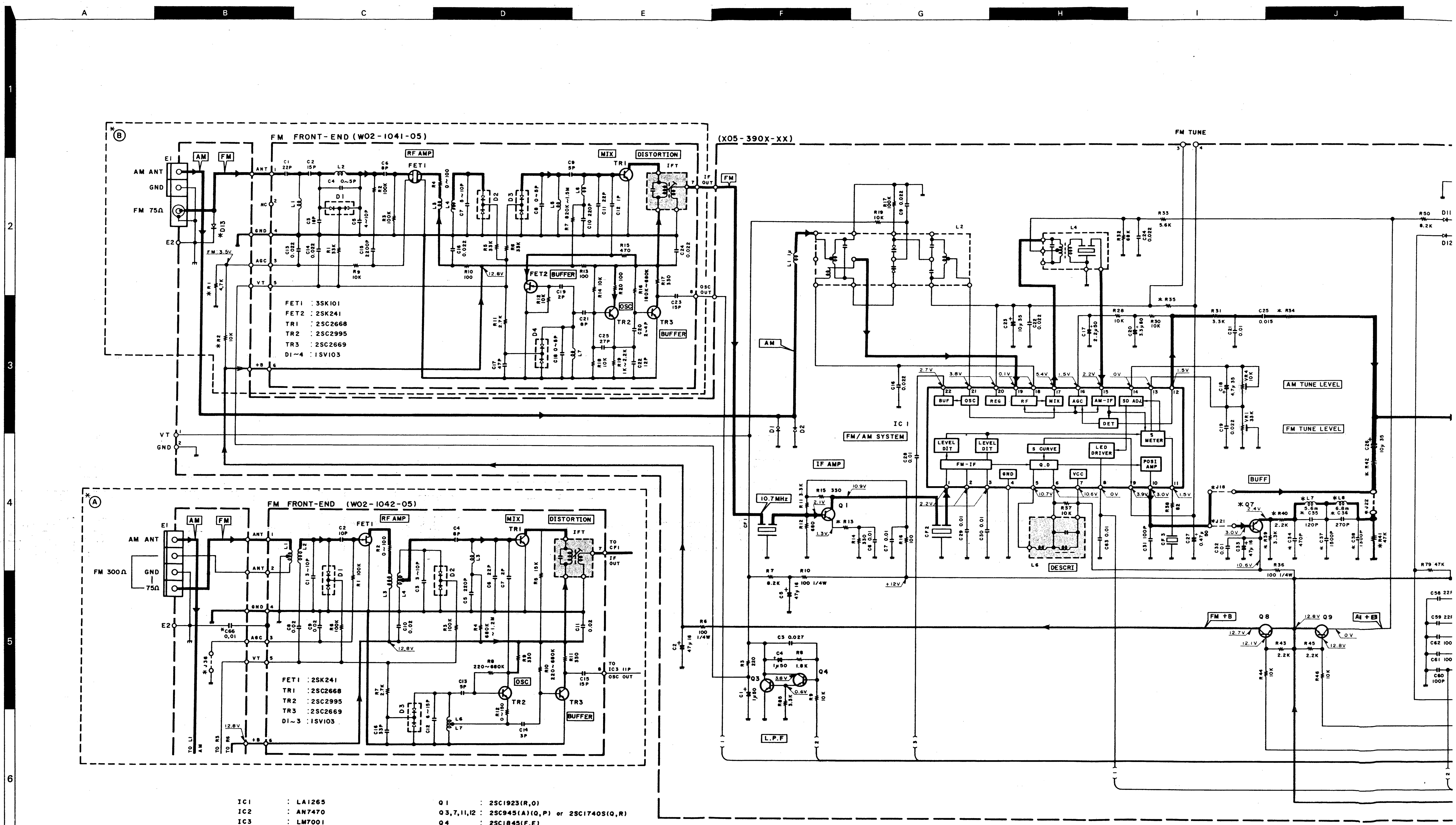
AUDIO UNIT


X09 B/4
Q50
Q51
Q52
Q53
Q55
Q56
R152
C88
R222



PC BOARD (Component Side View)


X08 B/2
VIDEO2 IN
VIDEO1 OUT
VIDEO1 IN
MONITOR
PLAY IN
VIDEO 2
REC OUT
PLAY IN
VIDEO 1
MONITOR OUT
(d) DOLBY LEVEL : 300mV
DC Voltmeter
OUTPUT
L-ch
R-ch
S-ch
GND
X08-245X-XX A/2
IC6
IC7
IC8
IC10
SHORTING
VCA TRIM
DC TRIM
DC TEST
VR1
VR2
VR3
J70-0042-11
VIDEO2
VIDEO1
-15V
+15V
GND

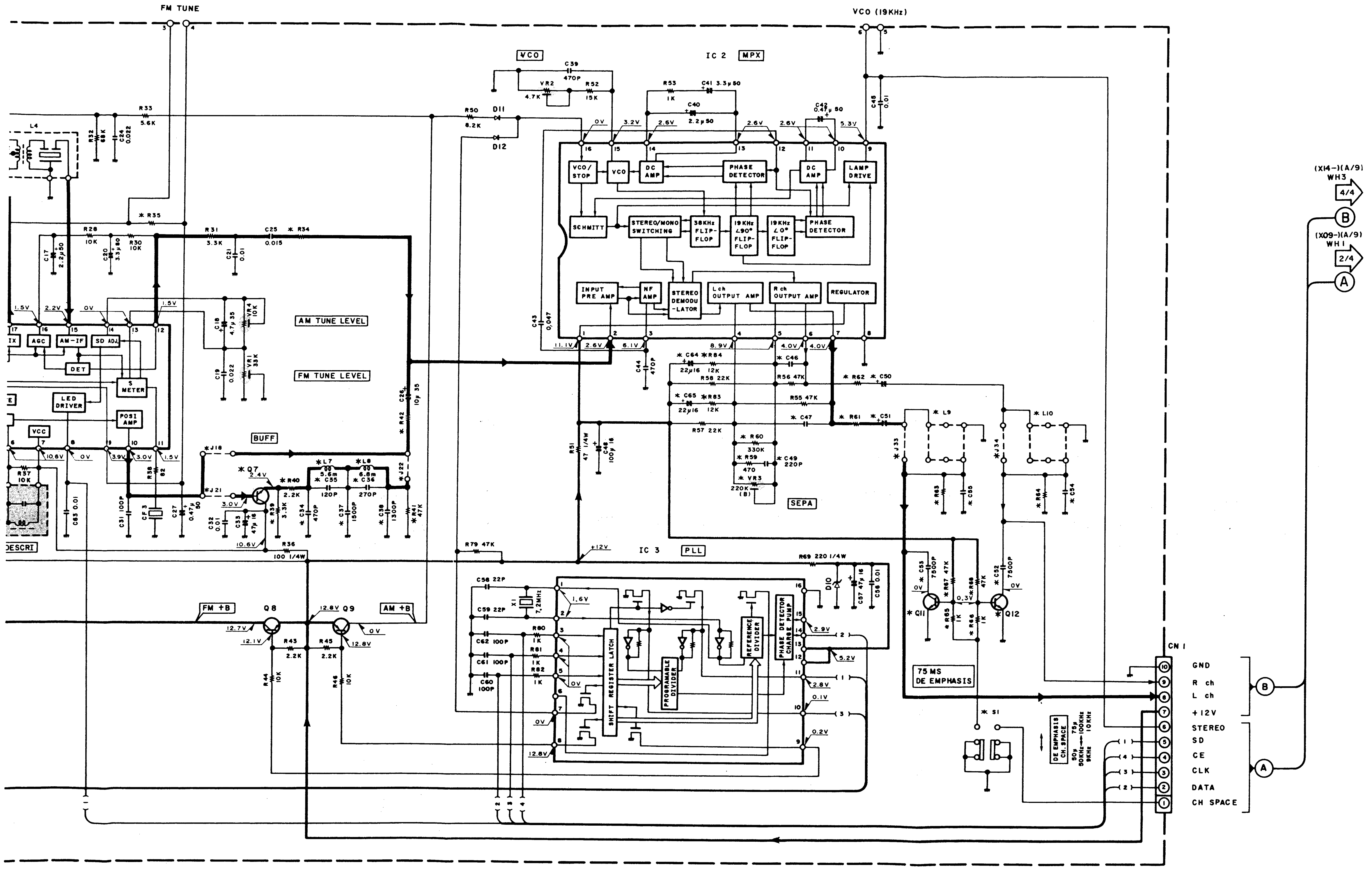

A
B
C
D
E
F
G
H
I
J
1
2
3
4
5
6
7
*Ⓑ
FM FRONT-END (W02-1041-05)
(X05-390X-XX)
AM ANT
GND
FM 75Ω
E1
E2
AM
FM
ANT
NC
GND
AGC
VT
+B
RF AMP
FET1
MIX
TR1
DISTORTION
IFT
IF OUT
OSC OUT
FET2
BUFFER
OSC
TR2
TR3
BUFFER
FET1 : 3SK101
FET2 : 2SK241
TR1 : 2SC2668
TR2 : 2SC2995
TR3 : 2SC2669
D1~4 : 1SV103
*D13
FM 3.5V
12.8V
VT
GND
*Ⓐ
FM FRONT-END (W02-1042-05)
AM ANT
FM 300Ω
GND
75Ω
FET1 : 2SK241
TR1 : 2SC2668
TR2 : 2SC2995
TR3 : 2SC2669
D1~3 : 1SV103
TO CF1
TO IC3 11P
OSC OUT
TO L1
AM
TO R3
TO R6
*J36
*C66 0.01
FM TUNE
AM
IC1
FM/AM SYSTEM
BUF
OSC
REG
RF
MIX
AGC
AM-IF
SD ADJ
DET
S METER
LEVEL DIT
FM-IF
S CURVE
Q.D
LED DRIVER
POSI AMP
GND
VCC
AM TUNE LEVEL
FM TUNE LEVEL
BUFF
IF AMP
Q1
10.7MHz
CF1
CF2
CF3
L6
DESCRI
L.P.F
Q3
Q4
FM +B
Q8
Q9
AM +B
*Q7
*J18
*J21
*J22
D1
D2
D11
D12
+12V
12.7V
12.8V
12.1V
10.9V
2.2V
2.7V
3.8V
0.1V
5.4V
1.5V
0V
3.9V
3.0V
10.7V
10.6V
2.4V
0.6V

Ref. NO. DESTINATION		A	B	C34~38, 49 64, 65	C46, 47	C50, 51	C52 53, 66	C54, 55	S1	VR3	D13	J18, 33 34, 36	J21, 22	L7~10	Q7	Q11, 12	R1, 2, 39~41 59, 83, 84	R13	R34	R35	R42	R60	R61, 62	R63, 64	R65~6
K, P	0-10	YES	NO	NO	150p	1μ50	NO	0.022	NO	NO	NO	YES	NO	NO	NO	NO	NO	56	36K	15K	39K	YES	3.6K	39K	NO
M, Y	0-21	YES	NO	NO	150p	1μ50	YES	0.015	YES	NO	NO	YES	NO	NO	NO	YES	NO	56	36K	39K	39K	YES	3.6K	39K	YES
T, E	2-71	NO	YES	YES	1000p	2.2μ50	NO	4700p	NO	YES	YES	NO	YES	YES	YES	NO	YES	22	47K	39K	47K	NO	3.3K	3.3K	NO

IC1 : LA1265
IC2 : AN7470
IC3 : LM7001

D1,2,11~13 : 1SS133 or HSS104
D10 : RD5.1ES(B2) or HZS5.1N(B2)
D13 : 1SS133

Q1 : 2SC1923(R,O)
Q3,7,11,12 : 2SC945(A)(Q,P) or 2SC1740S(Q,R)
Q4 : 2SC1845(F,E)
Q8,9,12 : 2SA733(A)(Q,P) or 2SA933S(Q,R)


FM TUNE
VCO (19KHz)
VCO
IC 2
MPX
VCO/ STOP
VCO
DC AMP
PHASE DETECTOR
DC AMP
LAMP DRIVE
SCHMITT
STEREO/MONO SWITCHING
38KHz FLIP-FLOP
19KHz ∠90° FLIP-FLOP
19KHz ∠0° FLIP-FLOP
PHASE DETECTOR
INPUT PRE AMP
NF AMP
STEREO DEMODU-LATOR
Lch OUTPUT AMP
Rch OUTPUT AMP
REGULATOR
AM TUNE LEVEL
FM TUNE LEVEL
BUFF
SEPA
AGC
AM-IF
SD ADJ
DET
S METER
LED DRIVER
POSI AMP
VCC
DESCRI
IC 3
PLL
SHIFT REGISTER LATCH
PROGRAMMABLE DIVIDER
REFERENCE DIVIDER
PHASE DETECTOR CHARGE PUMP
FM +B
AM +B
Q8
Q9
Q7
Q11
Q12
75 MS DE EMPHASIS
DE EMPHASIS CH. SPACE
CN 1
GND
R ch
L ch
+12V
STEREO
SD
CE
CLK
DATA
CH SPACE
(X14-)(A/9) WH3 4/4
(X09-)(A/9) WH1 2/4
B
A
S1

)	Q7	Q11, 12	R 1,2,39 ~ 41 59,83,84	R13	R34	R35	R42	R60	R61, 62	R63, 64	R65~68
	NO	NO	NO	56	36K	15K	39K	YES	3.6K	39K	NO
	NO	YES	NO	56	36K	39K	39K	YES	3.6K	39K	YES
	YES	NO	YES	22	47K	39K	47K	NO	3.3K	3.3K	NO

SIGNAL LINE
GND LINE
+B LINE

KR-V7030(K)(1/4)

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

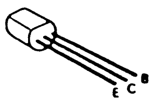
oltages are as measured with a high impedance voltme- 'alues may vary slightly due to variations between indi- l instruments or/and units.

ensions c.c. doivent être mesurées avec un voltmètre à : impédance. Les valeurs peuvent différer légèrement du es variations inhérentes aux appareils et aux instruments esure individuels.

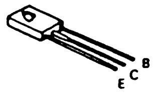
ngegebenen Gleichspannungswerte wurden mit einem ohmigen Spannungsmesser gemessen. Dabei schwan- lie Meßwerte aufgrund von Unterschieden zwischen ein- n Instrumenten oder Geräten u. U. geringfügig.

TION: For continued safety, replace safety critical compo- ; only with manufacturer's recommended parts (refer to list). ⚠ Indicates safety critical components. To reduce the f electric shock, leakage-current or resistance measurements be carried out (exposed parts are acceptably insulated from ıpply circuit) before the appliance is returned to the custom-

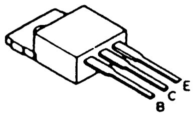
2SA1123
2SA733(A)
2SA992
2SA999
2SC1845
2SC1923
2SC2003
2SC2320
2SC2631
2SC2878
2SC394A
2SC945(A)
2SD1320



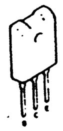
2SB772



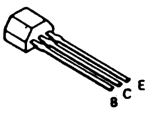
2SD1266



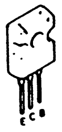
2SB1253∗5



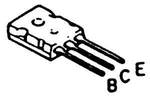
DTA24ES
DTC24ES
UN112
2SA1048
2SA933S
2SC1740S
2SC2458



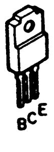
2SC4137



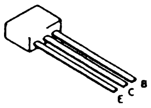
2SB1470∗5
2SD2222∗5



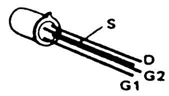
2SA1535A
2SC3944A



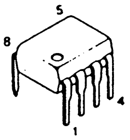
UN4212



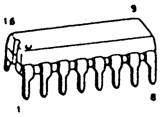
2SD1893∗5



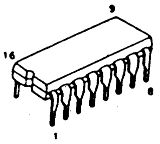
NJM4565D
NJM4565D-D



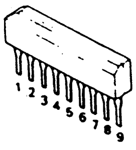
LM7001



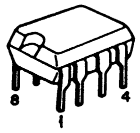
AN7470
TD9213P



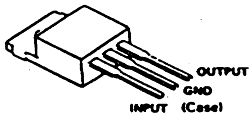
TA8409S



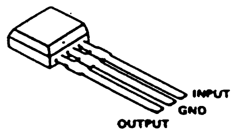
RC4565D
RC4565D-D
UPC4570C-A



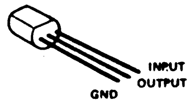
AN7812F
UPC7812HF



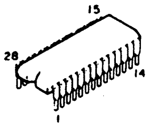
UPC78L05J
UPC78L12J



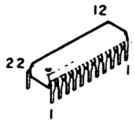
PST529C

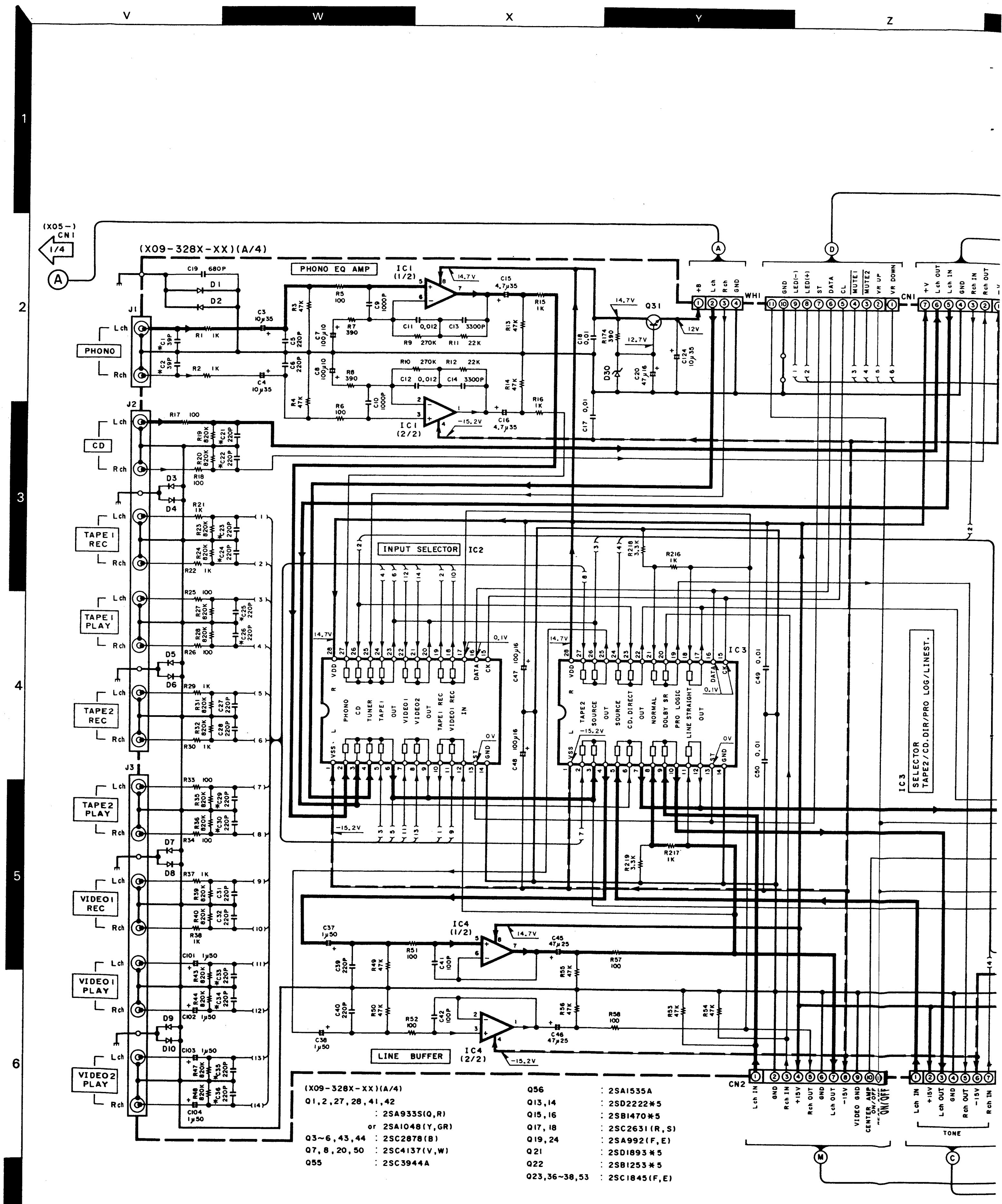


TC9162N
TC9164N



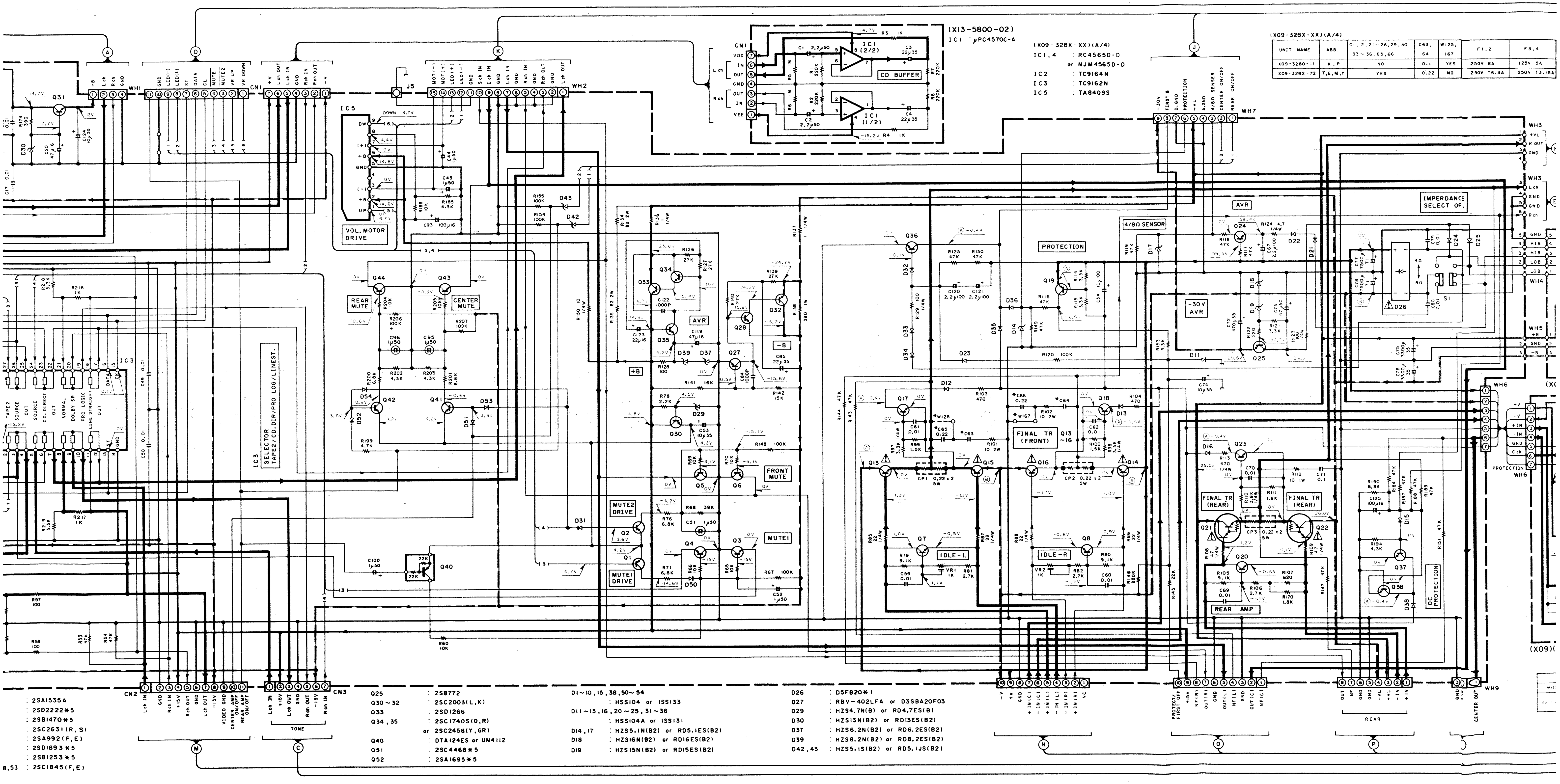
LA1265




V
W
X
Y
Z
1
2
3
4
5
6
7
(X05-)
CN1
1/4
A
(X09-328X-XX)(A/4)
PHONO EQ AMP
IC1 (1/2)
IC1 (2/2)
14.7V
-15.2V
C19 680P
D1
D2
J1
PHONO
Lch
Rch
C1 39P
C2 39P
R1 1K
R2 1K
C3 10μ35
C4 10μ35
C5 220P
C6 220P
R3 47K
R4 47K
R5 100
R6 100
C7 100μ10
C8 100μ10
R7 390
R8 390
C9 1000P
C10 1000P
C11 0.012
C12 0.012
C13 3300P
C14 3300P
R9 270K
R10 270K
R11 22K
R12 22K
C15 4.7μ35
C16 4.7μ35
R13 47K
R14 47K
R15 1K
R16 1K
C17 0.01
C18 0.01
R174 390
D30
C20 47μ16
C124 10μ35
Q31
12.7V
12V
J2
CD
R17 100
R18 100
R19 820K
R20 820K
C21 220P
C22 220P
D3
D4
TAPE1 REC
R21 1K
R22 1K
R23 820K
R24 820K
C23 220P
C24 220P
TAPE1 PLAY
R25 100
R26 100
R27 820K
R28 820K
C25 220P
C26 220P
D5
D6
TAPE2 REC
R29 1K
R30 1K
R31 820K
R32 820K
C27 220P
C28 220P
J3
TAPE2 PLAY
R33 100
R34 100
R35 820K
R36 820K
C29 220P
C30 220P
D7
D8
VIDEO1 REC
R37 1K
R38 1K
R39 820K
R40 820K
C31 220P
C32 220P
VIDEO1 PLAY
C101 1μ50
C102 1μ50
R43 820K
R44 820K
C33 220P
C34 220P
D9
D10
VIDEO2 PLAY
C103 1μ50
C104 1μ50
R47 820K
R48 820K
C35 220P
C36 220P
INPUT SELECTOR
IC2
VDD
VSS
PHONO
CD
TUNER
TAPE1
OUT
VIDEO1
VIDEO2
OUT
TAPE1 REC
VIDEO1 REC
IN
DATA
CK
ST
GND
0.1V
0V
C47 100μ16
C48 100μ16
IC3
TAPE2
SOURCE
OUT
SOURCE
CD.DIRECT
OUT
NORMAL
DOLBY SR
PRO LOGIC
LINE STRAIGHT
OUT
R218 3.3K
R216 1K
R219 3.3K
R217 1K
C49 0.01
C50 0.01
IC3
SELECTOR
TAPE2/CD.DIR/PRO LOG/LINEST.
LINE BUFFER
IC4 (1/2)
IC4 (2/2)
C37 1μ50
C38 1μ50
C39 220P
C40 220P
R49 47K
R50 47K
R51 100
R52 100
C41 100P
C42 100P
C45 47μ25
C46 47μ25
R55 47K
R56 47K
R57 100
R58 100
R53 47K
R54 47K
D
+B
Lch
Rch
GND
WH1
GND
LED(-)
LED(+)
ST
DATA
CL
MUTE1
MUTE2
VR UP
VR DOWN
CN1
+V
Lch OUT
Lch IN
GND
Rch IN
Rch OUT
CN2
Lch IN
GND
Rch IN
+15V
Rch OUT
GND
Lch OUT
-15V
VIDEO GND
CENTER AMP ON/OFF
M
TONE
+15V
Lch OUT
GND
Rch OUT
-15V
Rch IN
C

(X09-328X-XX)(A/4)

Q1,2,27,28,41,42	: 2SA933S(Q,R)
	or 2SA1048(Y,GR)
Q3~6,43,44	: 2SC2878(B)
Q7,8,20,50	: 2SC4137(V,W)
Q55	: 2SC3944A
Q56	: 2SA1535A
Q13,14	: 2SD2222＊5
Q15,16	: 2SB1470＊5
Q17,18	: 2SC2631(R,S)
Q19,24	: 2SA992(F,E)
Q21	: 2SD1893＊5
Q22	: 2SB1253＊5
Q23,36~38,53	: 2SC1845(F,E)


(X13-5800-02)
IC1 : μPC4570C-A
CD BUFFER
IC1 (2/2)
IC1 (1/2)
CN1
VDD
IN
OUT
GND
VEE
L ch
R ch
WH1
WH2
WH7
WH3
WH4
WH5
WH6
WH9
CN2
CN3
J5
IC5
VOL.MOTOR DRIVE
REAR MUTE
CENTER MUTE
IC3
SELECTOR TAPE2/CD.DIR/PRO LOG/LINEST.
AVR
+B
-B
FRONT MUTE
MUTE1
MUTE2 DRIVE
MUTE1 DRIVE
PROTECTION
4/8Ω SENSOR
-30V AVR
IMPEDANCE SELECT OP.
FINAL TR (FRONT)
FINAL TR (REAR)
IDLE-L
IDLE-R
REAR AMP
DC PROTECTION
TONE
REAR
PROTECTION

(X09-328X-XX)(A/4)

UNIT NAME	ABB.	C1, 2, 21~26, 29, 30 33~36, 65, 66	C63, 64	W125, 167	F1, 2	F3, 4
X09-3280-11	K, P	NO	0.1	YES	250V 8A	125V 5A
X09-3282-72	T,E,M,Y	YES	0.22	NO	250V T6.3A	250V T3.15A

(X09-328X-XX)(A/4)

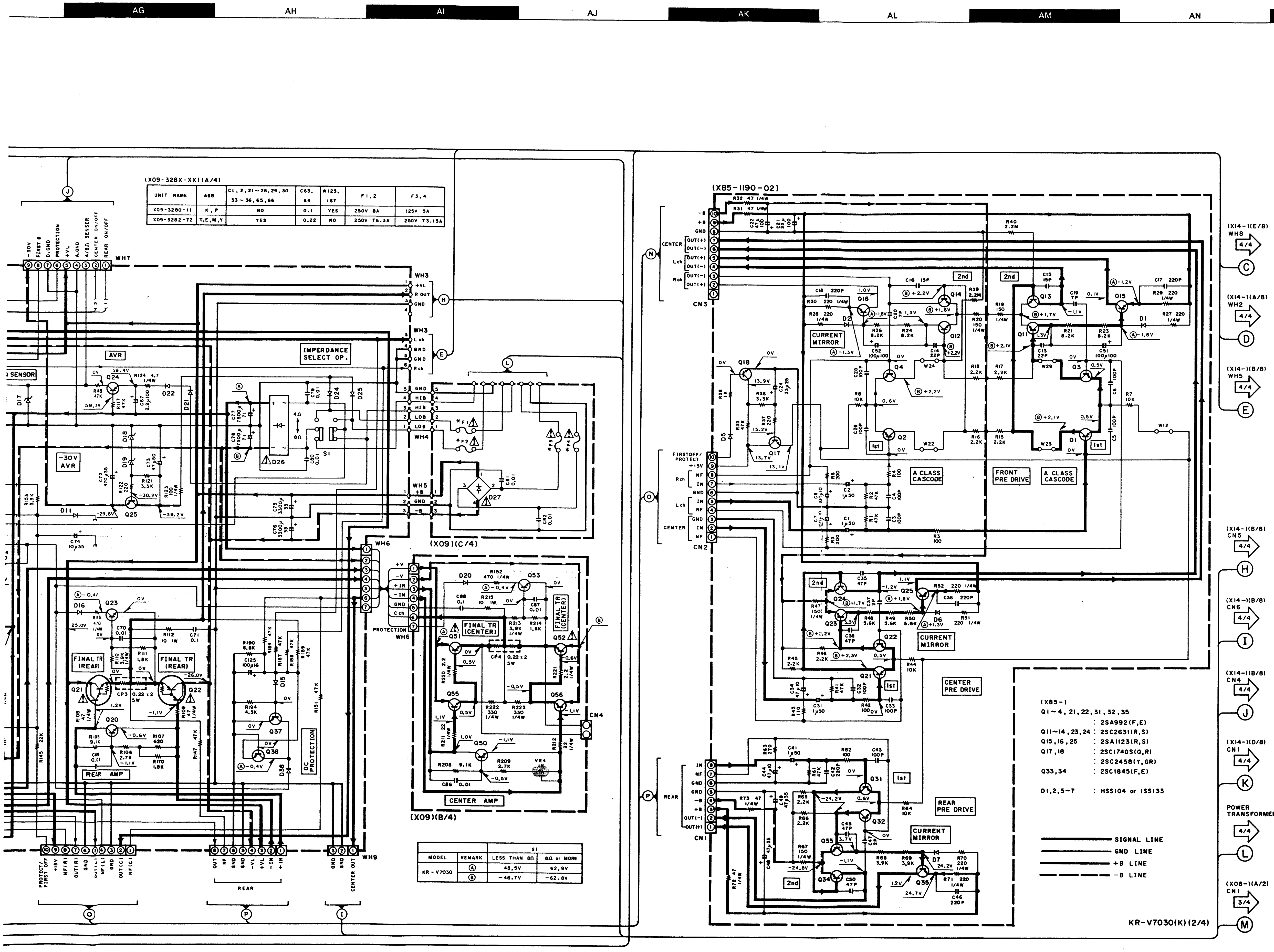
IC1, 4 : RC4565D-D
or NJM4565D-D
IC2 : TC9164N
IC3 : TC9162N
IC5 : TA8409S

: 2SA1535A
: 2SD2222*5
: 2SB1470*5
: 2SC2631(R, S)
: 2SA992(F, E)
: 2SD1893*5
: 2SB1253*5
8,53 : 2SC1845(F, E)

Q25 : 2SB772
Q30~32 : 2SC2003(L, K)
Q33 : 2SD1266
Q34, 35 : 2SC1740S(Q, R)
or 2SC2458(Y, GR)
Q40 : DTA124ES or UN4112
Q51 : 2SC4468*5
Q52 : 2SA1695*5

D1~10, 15, 38, 50~54
: HSS104 or 1SS133
D11~13, 16, 20~25, 31~36
: HSS104A or 1SS131
D14, 17 : HZS5.1N(B2) or RD5.1ES(B2)
D18 : HZS16N(B2) or RD16ES(B2)
D19 : HZS15N(B2) or RD15ES(B2)

D26 : D5FB20*1
D27 : RBV-402LFA or D3SBA20F03
D29 : HZS4.7N(B) or RD4.7ES(B)
D30 : HZS13N(B2) or RD13ES(B2)
D37 : HZS6.2N(B2) or RD6.2ES(B2)
D39 : HZS8.2N(B2) or RD8.2ES(B2)
D42, 43 : HZS5.1S(B2) or RD5.1JS(B2)


AG
AH
AI
AJ
AK
AL
AM
AN
AO
AP
(X09-328X-XX)(A/4)
WH7
WH3
WH4
WH5
WH6
WH9
AVR
-30V AVR
IMPERDANCE SELECT OP.
S1
D26
D27
FINAL TR (REAR)
REAR AMP
FINAL TR (CENTER)
CENTER AMP
DC PROTECTION
CN4
(X09)(C/4)
(X09)(B/4)
REAR
(X85-1190-02)
CN3
CN2
CN1
CENTER
Lch
Rch
CURRENT MIRROR
A CLASS CASCODE
FRONT PRE DRIVE
CENTER PRE DRIVE
REAR PRE DRIVE
1st
2nd
(X14-)(E/8) WH8
(X14-)(A/8) WH2
(X14-)(B/8) WH5
(X14-)(B/8) CN5
(X14-)(B/8) CN6
(X14-)(B/8) CN4
(X14-)(D/8) CN1
POWER TRANSFORMER
(X08-)(A/2) CN1
4/4
3/4
SIGNAL LINE
GND LINE
+B LINE
-B LINE
KR-V7030(K)(2/4)

(X09-328X-XX)(A/4)

UNIT NAME	ABB.	C1, 2, 21~26, 29, 30 33~36, 65, 66	C63, 64	W125, 167	F1, 2	F3, 4
X09-3280-11	K, P	NO	0.1	YES	250V 8A	125V 5A
X09-3282-72	T, E, M, Y	YES	0.22	NO	250V T6.3A	250V T3.15A

		S1	
MODEL	REMARK	LESS THAN 8Ω	8Ω or MORE
KR-V7030	Ⓐ	48.5V	62.9V
	Ⓑ	-48.7V	-62.8V

(X85-)

Q1~4, 21, 22, 31, 32, 35	: 2SA992(F,E)
Q11~14, 23, 24	: 2SC2631(R,S)
Q15, 16, 25	: 2SA1123(R,S)
Q17, 18	: 2SC1740S(Q,R)
	: 2SC2458(Y,GR)
Q33, 34	: 2SC1845(F,E)
D1, 2, 5~7	: HSS104 or 1SS133

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

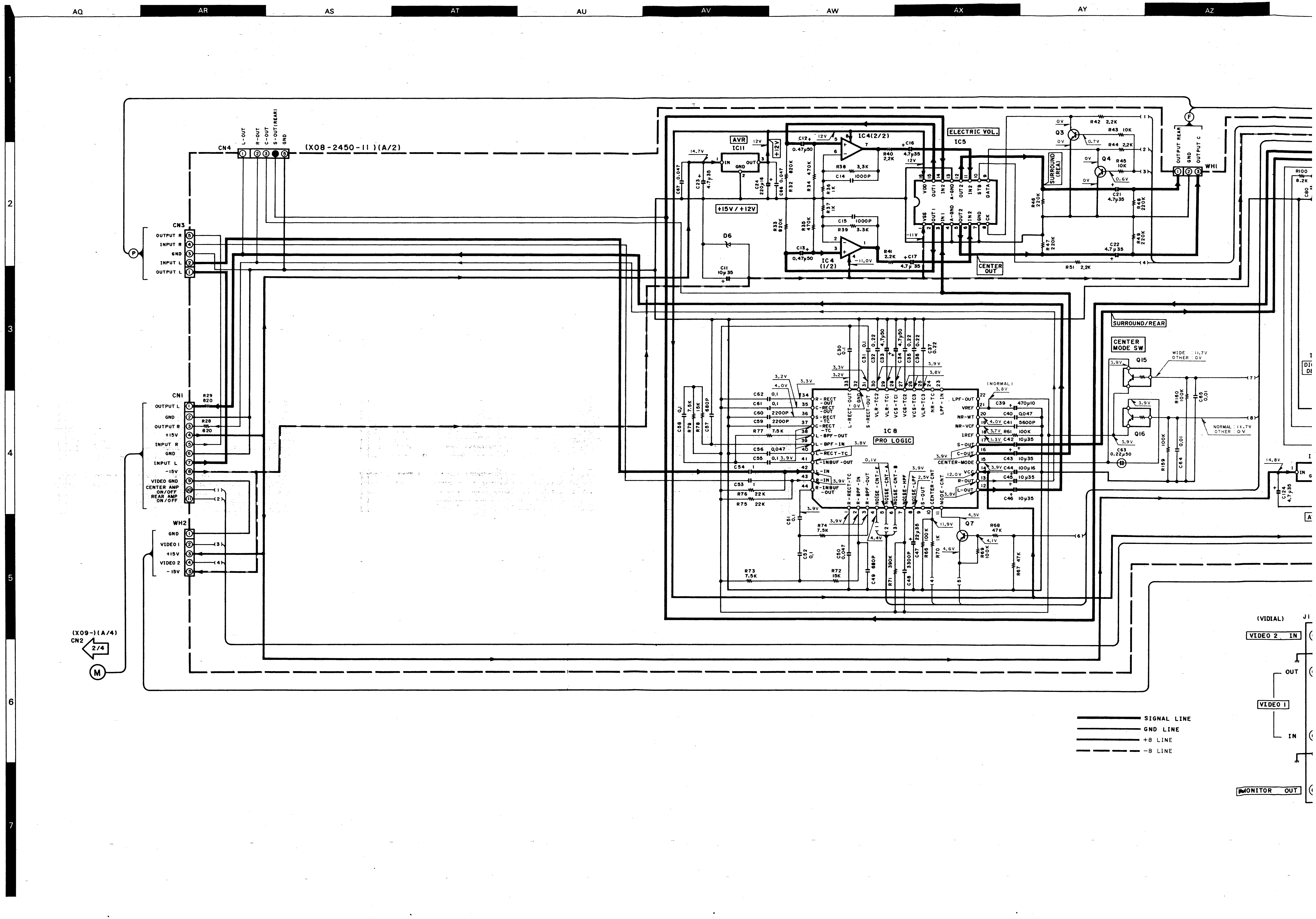
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

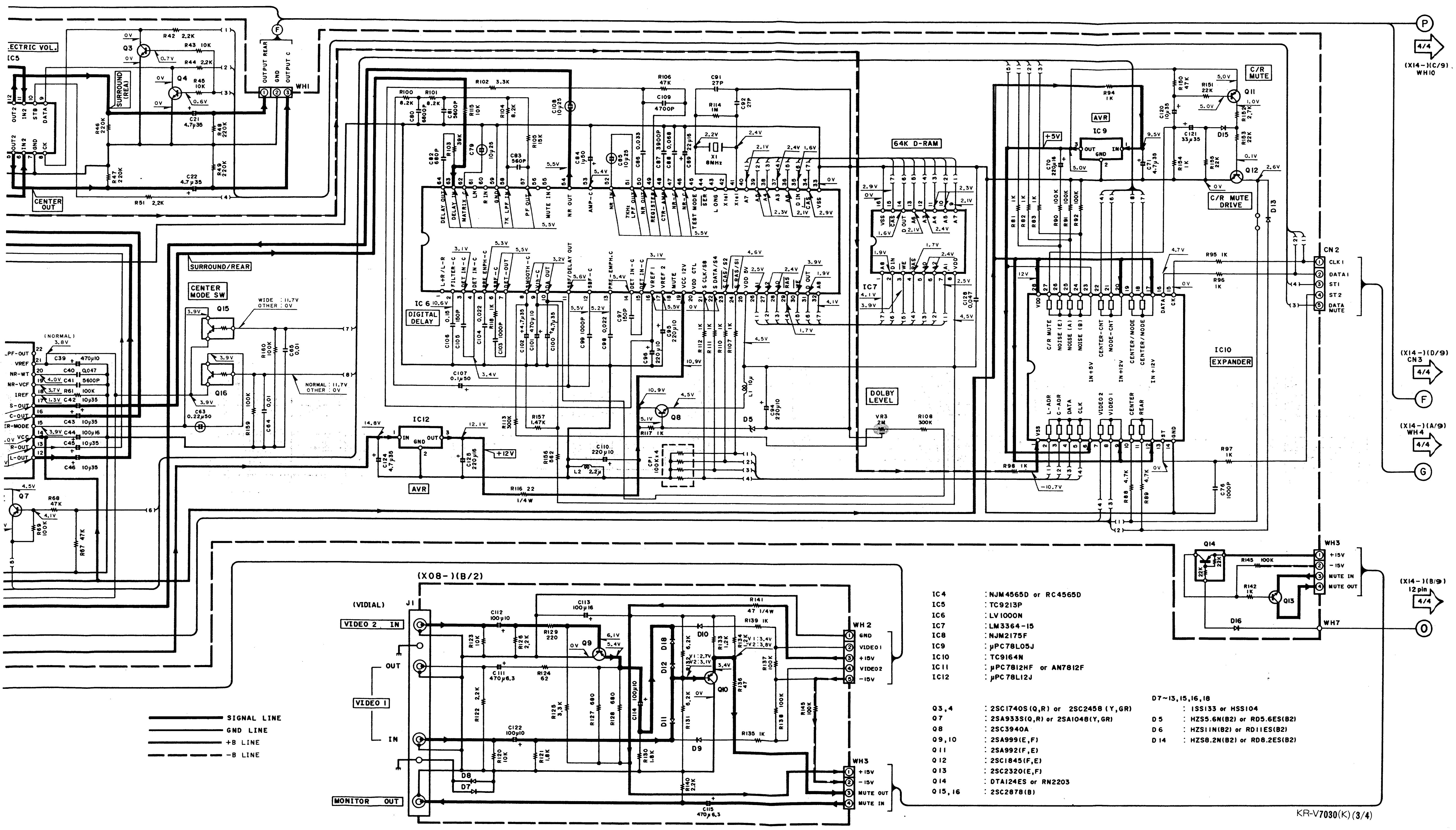
CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y05-2530-10

KR-V7030

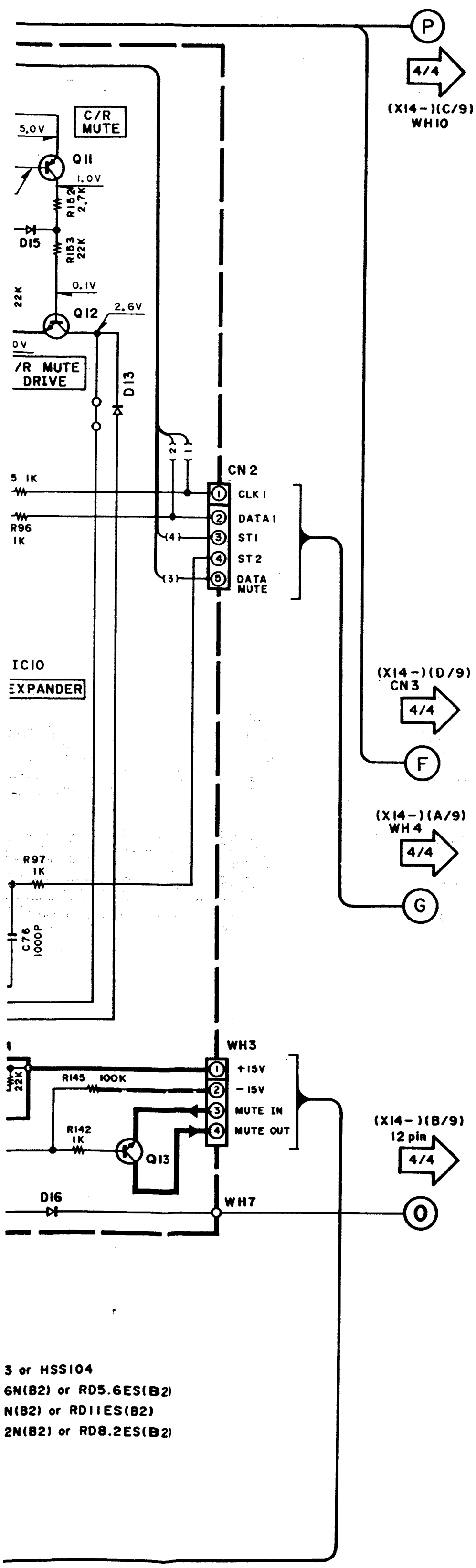
KENWOOD


AQ
AR
AS
AT
AU
AV
AW
AX
AY
AZ
1
2
3
4
5
6
7
CN4
L-OUT
R-OUT
C-OUT
S-OUT(REAR)
GND
(X08-2450-11)(A/2)
CN3
OUTPUT R
INPUT R
GND
INPUT L
OUTPUT L
CN1
OUTPUT L
GND
OUTPUT R
+15V
INPUT R
GND
INPUT L
-15V
VIDEO GND
CENTER AMP ON/OFF
REAR AMP ON/OFF
R29 820
R28 820
WH2
GND
VIDEO 1
+15V
VIDEO 2
-15V
(X09-)(A/4)
CN2
2/4
AVR
IC11
+12V
+15V/+12V
IC4(2/2)
IC4 (1/2)
D6
ELECTRIC VOL.
IC5
SURROUND (REA)
CENTER OUT
Q3
Q4
WH1
OUTPUT REAR
GND
OUTPUT C
SURROUND/REAR
CENTER MODE SW
Q15
Q16
WIDE : 11.7V
OTHER : 0V
NORMAL : 11.7V
OTHER : 0V
IC8
PRO LOGIC
Q7
(VIDIAL)
J1
VIDEO 2 IN
OUT
VIDEO 1
IN
MONITOR OUT
SIGNAL LINE
GND LINE
+B LINE
-B LINE


ELECTRIC VOL.
IC5
SURROUND (REAR)
CENTER OUT
SURROUND/REAR
CENTER MODE SW
WIDE : 11.7V
OTHER : 0V
NORMAL : 11.7V
OTHER : 0V
Q3
Q4
Q7
Q8
Q15
Q16
OUTPUT REAR
GND
OUTPUT C
WH1
IC 6
DIGITAL DELAY
IC7
64K D-RAM
IC12
AVR
+12V
DOLBY LEVEL
VR3 2M
IC9
+5V
C/R MUTE
Q11
Q12
C/R MUTE DRIVE
IC10
EXPANDER
CN2
CLK1
DATA1
ST1
ST2
DATA MUTE
(X14-)(C/9) WH10
(X14-) CN3
(X14-)(D/9)
(X14-)(A/9) WH4
(X14-)(B/9) 12 pin
4/4
Q14
Q13
WH3
+15V
-15V
MUTE IN
MUTE OUT
WH7
(X08-)(B/2)
(VIDIAL)
J1
VIDEO 2 IN
VIDEO 1
OUT
IN
MONITOR OUT
Q9
Q10
WH2
GND
VIDEO1
+15V
VIDEO2
-15V
SIGNAL LINE
GND LINE
+B LINE
-B LINE

IC4	: NJM4565D or RC4565D
IC5	: TC9213P
IC6	: LV1000N
IC7	: LM3364-15
IC8	: NJM2175F
IC9	: μPC78L05J
IC10	: TC9164N
IC11	: μPC7812HF or AN7812F
IC12	: μPC78L12J
Q3,4	: 2SC1740S(Q,R) or 2SC2458(Y,GR)
Q7	: 2SA933S(Q,R) or 2SA1048(Y,GR)
Q8	: 2SC3940A
Q9,10	: 2SA999(E,F)
Q11	: 2SA992(F,E)
Q12	: 2SC1845(F,E)
Q13	: 2SC2320(E,F)
Q14	: DTA124ES or RN2203
Q15,16	: 2SC2878(B)

D7~13,15,16,18	: 1SS133 or HSS104
D5	: HZS5.6N(B2) or RD5.6ES(B2)
D6	: HZS11N(B2) or RD11ES(B2)
D14	: HZS8.2N(B2) or RD8.2ES(B2)


P
4/4
(X14-)(C/9)
WH10
C/R MUTE
5.0V
Q11
1.0V
R152 2.7K
D15
R153 22K
0.1V
22K
Q12
2.6V
0V
/R MUTE DRIVE
D13
2
1
CN2
5 1K
R96 1K
4
3
1 CLK1
2 DATA1
3 ST1
4 ST2
5 DATA MUTE
IC10
EXPANDER
(X14-)(D/9)
CN3
4/4
F
(X14-)(A/9)
WH4
4/4
G
R97 1K
C76 1000P
WH3
22K
R145 100K
R142 1K
Q13
1 +15V
2 -15V
3 MUTE IN
4 MUTE OUT
(X14-)(B/9)
12 pin
4/4
D16
WH7
O
3 or HSS104
6N(B2) or RD5.6ES(B2)
N(B2) or RD11ES(B2)
2N(B2) or RD8.2ES(B2)

KR-V7030(K)(3/4)

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

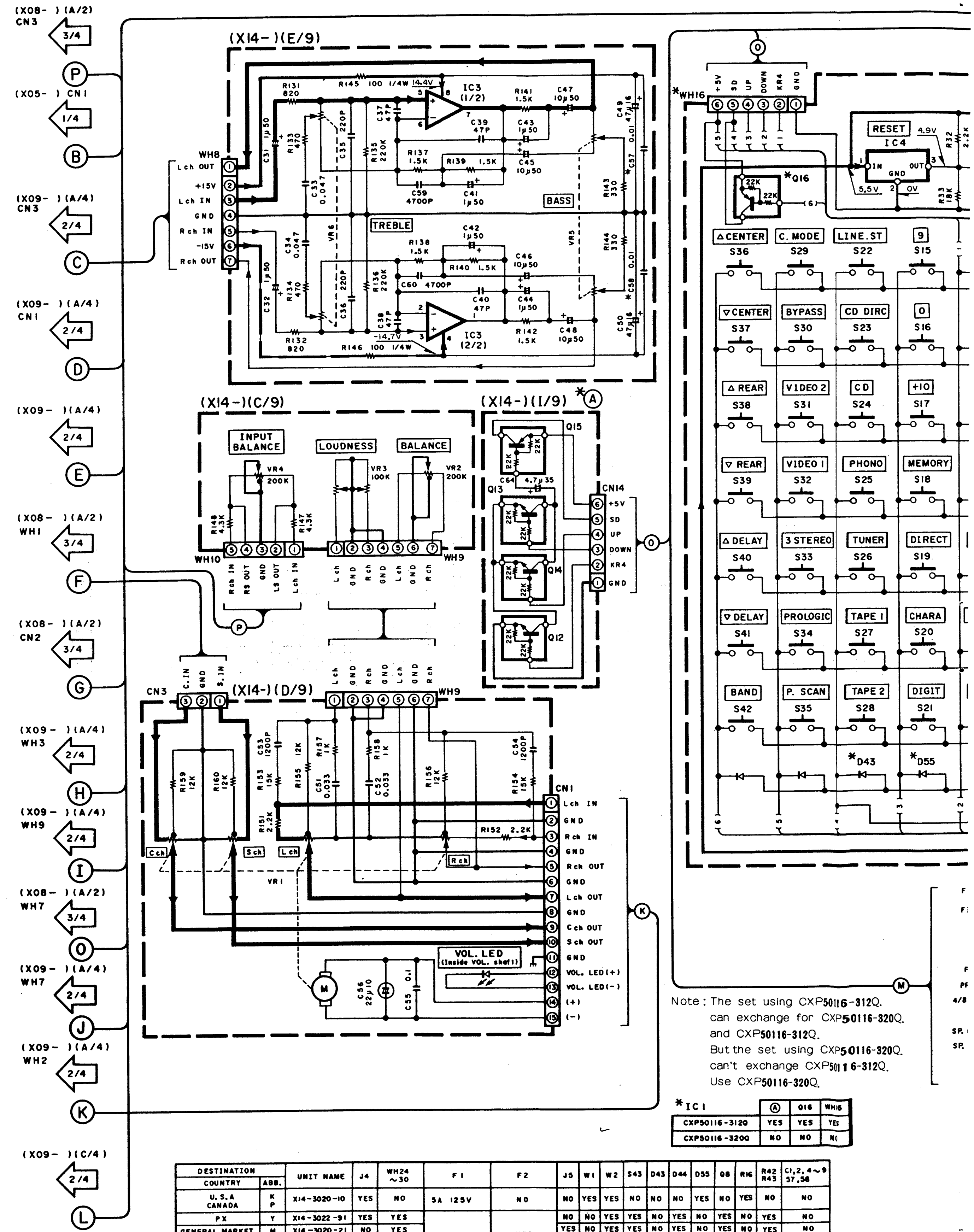
Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

Y05-2530-10

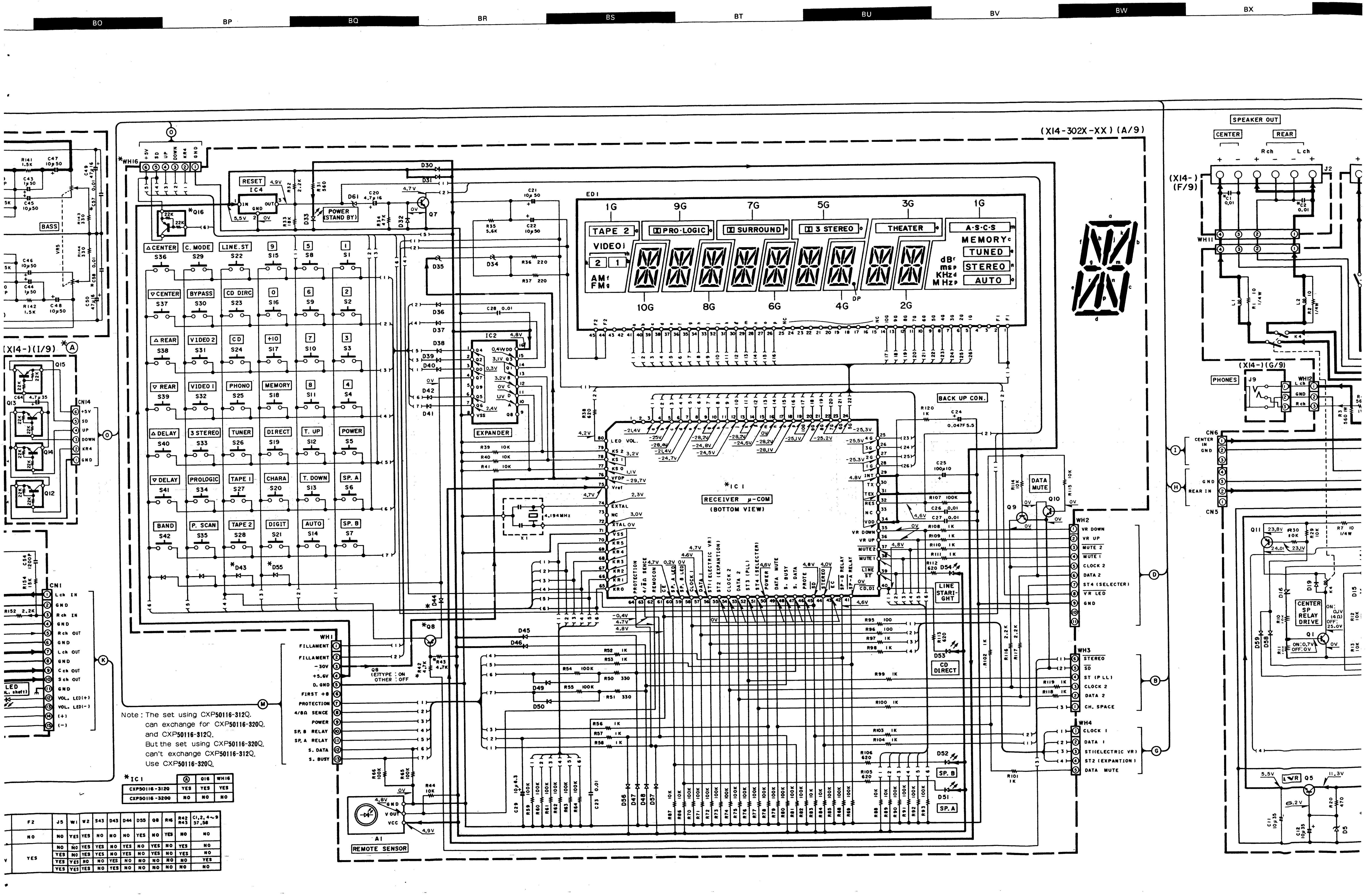
KR-V7030
KENWOOD


(X08-) (A/2) CN3 3/4 P
(X05-) CN1 1/4 B
(X09-) (A/4) CN3 2/4 C
(X09-) (A/4) CN1 2/4 D
(X09-) (A/4) 2/4 E
(X08-) (A/2) WH1 3/4 F
(X08-) (A/2) CN2 3/4 G
(X09-) (A/4) WH3 2/4 H
(X09-) (A/4) WH9 2/4 I
(X08-) (A/2) WH7 3/4 O
(X09-) (A/4) WH7 2/4 J
(X09-) (A/4) WH2 2/4 K
(X09-) (C/4) 2/4 L
(X14-)(E/9)
WH8 Lch OUT +15V Lch IN GND Rch IN -15V Rch OUT
IC3 (1/2) IC3 (2/2)
R131 820 R145 100 1/4W 14.4V R141 1.5K C47 10μ50 C49 47μ16
C31 1μ50 R133 470 C35 220P C37 47P R135 220K C39 47P C43 1μ50 C45 10μ50
R137 1.5K R139 1.5K C59 4700P C41 1μ50 BASS C57 0.01 R143 330
C33 0.047 VR6 TREBLE C42 1μ50 R138 1.5K R140 1.5K C46 10μ50 VR5 R144 330
C34 0.047 C60 4700P C32 1μ50 R134 470 C36 220P R136 220K C38 47P -14.7V C40 47P C44 1μ50 C58 0.01
R132 820 R146 100 1/4W R142 1.5K C48 10μ50 C50 47μ16
(X14-)(C/9)
INPUT BALANCE VR4 200K R148 4.3K R147 4.3K
LOUDNESS VR3 100K BALANCE VR2 200K
WH10 Rch IN RS OUT GND LS OUT Lch IN
WH9 Lch GND Rch GND Lch GND Rch
(X14-)(I/9) A
Q15 22K 22K C64 4.7μ35 Q13 22K 22K Q14 22K 22K Q12 22K 22K
CN14 +5V SD UP DOWN KR4 GND
(X14-)(D/9)
CN3 C.IN GND S.IN
C53 1200P R153 15K R155 12K C51 0.033 R157 1K R158 1K C52 0.033 R156 12K C54 1200P R154 15K
R159 12K R160 12K R151 2.2K R152 2.2K
Cch Sch Lch Rch VR1
VOL. LED (Inside VOL. shaft) M C56 22μ10 C55 0.1
CN1 Lch IN GND Rch IN GND Rch OUT GND Lch OUT GND Cch OUT Sch OUT GND VOL. LED(+) VOL. LED(-) (+) (-)
*WH16 +5V SD UP DOWN KR4 GND
*Q16 22K 22K
RESET 4.9V IC4 IN GND OUT 5.5V 0V R32 2.2K R33 18K
ΔCENTER S36 C. MODE S29 LINE. ST S22 9 S15
▽CENTER S37 BYPASS S30 CD DIRC S23 0 S16
Δ REAR S38 VIDEO 2 S31 CD S24 +10 S17
▽ REAR S39 VIDEO 1 S32 PHONO S25 MEMORY S18
Δ DELAY S40 3 STEREO S33 TUNER S26 DIRECT S19
▽ DELAY S41 PROLOGIC S34 TAPE 1 S27 CHARA S20
BAND S42 P. SCAN S35 TAPE 2 S28 DIGIT S21
*D43 *D55
1 2 3 4 5 6 7

Note: The set using CXP50116-312Q.
can exchange for CXP50116-320Q.
and CXP50116-312Q.
But the set using CXP50116-320Q.
can't exchange CXP50116-312Q.
Use CXP50116-320Q.

*IC1	Ⓐ	Q16	WH16
CXP50116-312Q	YES	YES	YES
CXP50116-320Q	NO	NO	NO

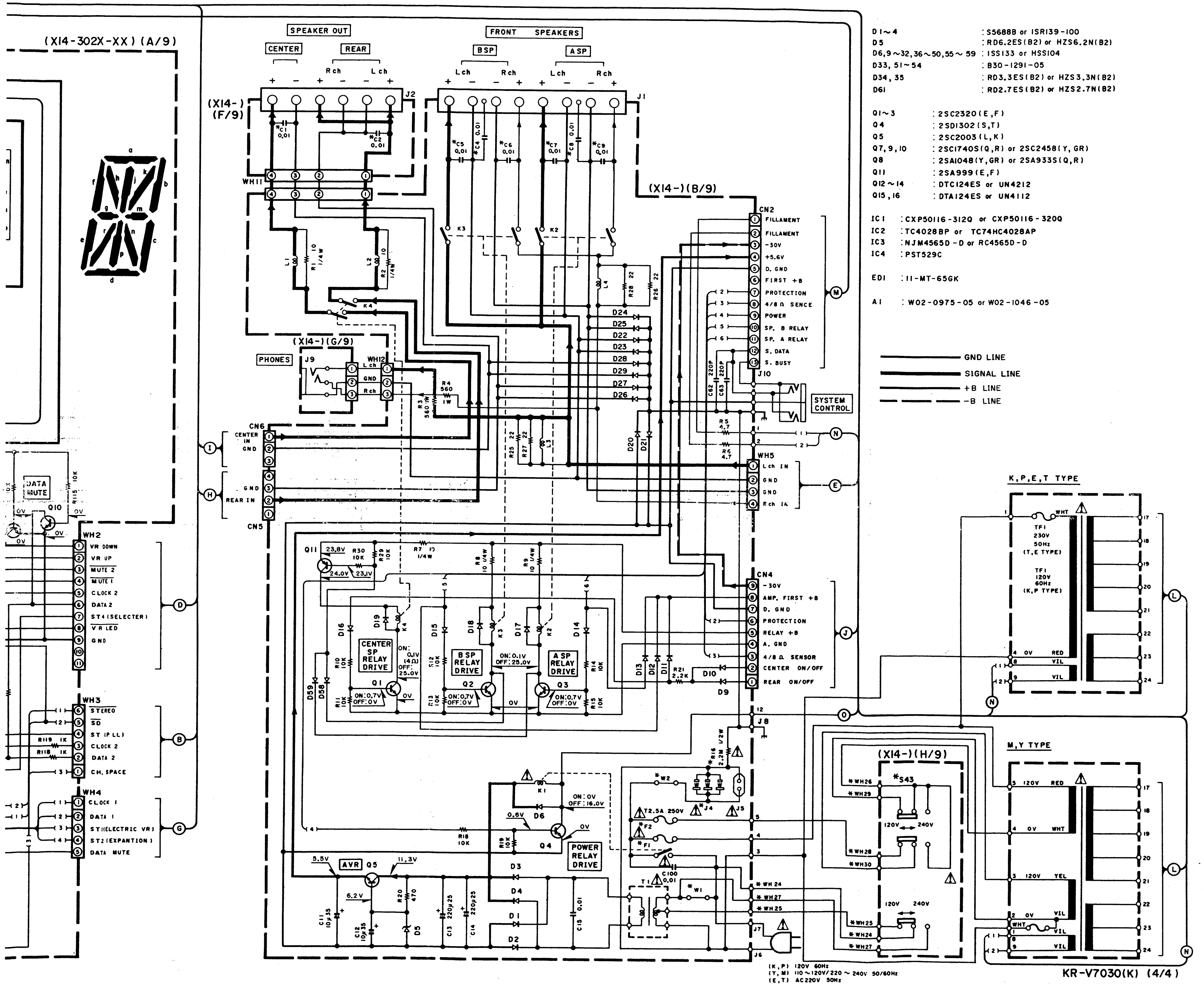
DESTINATION		UNIT NAME	J4	WH24 ~30	F1	F2	J5	W1	W2	S43	D43	D44	D55	Q8	R16	R42 R43	C1,2,4~9 57,58
COUNTRY	ABB.																
U.S.A CANADA	K P	X14-3020-10	YES	NO	5A 125V	NO	NO	YES	YES	NO	NO	NO	YES	NO	YES	NO	NO
PX	Y	X14-3022-91	YES	YES	T2.5A 250V	YES	NO	NO	YES	YES	NO	YES	NO	YES	NO	YES	NO
GENERAL MARKET	M	X14-3020-21	NO	YES			YES	NO	YES	YES	NO	YES	NO	YES	NO	YES	NO
EUROPE	E	X14-3022-71	NO	NO			YES	YES	NO	NO	YES	NO	NO	NO	NO	NO	YES
ENGLAND	T	X14-3020-51	NO	NO			YES	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO


BO
BP
BQ
BR
BS
BT
BU
BV
BW
BX
(X14-302X-XX) (A/9)
SPEAKER OUT
CENTER
REAR
Rch
Lch
(X14-) (F/9)
(X14-) (I/9)
(X14-) (G/9)
PHONES
BASS
WH16
Q16
RESET
IC4
POWER (STAND BY)
ED1
TAPE 2
PRO·LOGIC
SURROUND
3 STEREO
THEATER
A·S·C·S
MEMORY
TUNED
STEREO
AUTO
VIDEO
AM
FM
1G
2G
3G
4G
5G
6G
7G
8G
9G
10G
△CENTER S36
C. MODE S29
LINE. ST S22
9 S15
5 S8
1 S1
▽CENTER S37
BYPASS S30
CD DIRC S23
0 S16
6 S9
2 S2
△REAR S38
VIDEO 2 S31
CD S24
+10 S17
7 S10
3 S3
▽REAR S39
VIDEO 1 S32
PHONO S25
MEMORY S18
8 S11
4 S4
△DELAY S40
3 STEREO S33
TUNER S26
DIRECT S19
T. UP S12
POWER S5
▽DELAY S41
PROLOGIC S34
TAPE 1 S27
CHARA S20
T. DOWN S13
SP. A S6
BAND S42
P. SCAN S35
TAPE 2 S28
DIGIT S21
AUTO S14
SP. B S7
IC2
EXPANDER
IC1
RECEIVER μ-COM
(BOTTOM VIEW)
BACK UP CON.
DATA MUTE
LINE STRAIGHT
CD DIRECT
SP. B
SP. A
CN14
CN1
WH1
WH2
WH3
WH4
WH11
WH12
CN5
CN6
Q8 (E)TYPE : ON OTHER : OFF
A1
REMOTE SENSOR
CENTER SP RELAY DRIVE
X1 4.194MHz

Note : The set using CXP50116-312Q.
can exchange for CXP50116-320Q.
and CXP50116-312Q.
But the set using CXP50116-320Q.
can't exchange CXP50116-312Q.
Use CXP50116-320Q.

*IC1	Ⓐ	Q16	WH16
CXP50116-312Q	YES	YES	YES
CXP50116-320Q	NO	NO	NO

	F2	J5	W1	W2	S43	D43	D44	D55	Q8	R16	R42 R43	C1,2, 4~9 57,58
	NO	NO	YES	YES	NO	NO	NO	YES	NO	YES	NO	NO
	YES	NO	NO	YES	YES	NO	YES	NO	YES	NO	YES	NO
V		YES	NO	YES	YES	NO	YES	NO	YES	NO	YES	NO
		YES	YES	NO	NO	YES	NO	NO	NO	NO	NO	YES
		YES	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO


BW BX BY BZ CA CB CC CD CE CF
(X14-302X-XX) (A/9)
SPEAKER OUT
CENTER
REAR
FRONT SPEAKERS
BSP
ASP
J1
J2
(X14-) (F/9)
(X14-)(B/9)
(X14-)(G/9)
(X14-)(H/9)
PHONES
J9
WH11
WH12
CN2
FILLAMENT
-30V
+5.6V
D. GND
FIRST +B
PROTECTION
4/8Ω SENCE
POWER
SP. B RELAY
SP. A RELAY
S. DATA
S. BUSY
J10
SYSTEM CONTROL
CN6
CENTER IN
GND
REAR IN
CN5
WH5
Lch IN
Rch IN
CN4
AMP. FIRST +B
RELAY +B
A. GND
4/8Ω SENSOR
CENTER ON/OFF
REAR ON/OFF
CENTER SP RELAY DRIVE
BSP RELAY DRIVE
ASP RELAY DRIVE
POWER RELAY DRIVE
AVR
Q1
Q2
Q3
Q4
Q5
Q10
Q11
K1
K2
K3
K4
DATA MUTE
WH2
VR DOWN
VR UP
MUTE 2
MUTE 1
CLOCK 2
DATA 2
ST4(SELECTER)
VR LED
GND
WH3
STEREO
SD
ST (PLL)
CH. SPACE
WH4
CLOCK 1
DATA 1
ST1(ELECTRIC VR)
ST2(EXPANTION)
K,P,E,T TYPE
M,Y TYPE
TF1 230V 50Hz (T,E TYPE)
TF1 120V 60Hz (K,P TYPE)
*S43
120V
240V
T2.5A 250V
J4
J5
J6
J7
J8
(K,P) 120V 60Hz
(Y,M) 110~120V/220~240V 50/60Hz
(E,T) AC220V 50Hz

KR-V7030(K) (4/4)

D1~4 : S5688B or ISR139-100
D5 : RD6.2ES(B2) or HZS6.2N(B2)
D6,9~32,36~50,55~59 : ISS133 or HSS104
D33, 51~54 : B30-1291-05
D34, 35 : RD3.3ES(B2) or HZS3.3N(B2)
D61 : RD2.7ES(B2) or HZS2.7N(B2)

Q1~3 : 2SC2320(E,F)
Q4 : 2SD1302(S,T)
Q5 : 2SC2003(L,K)
Q7, 9, 10 : 2SC1740S(Q,R) or 2SC2458(Y, GR)
Q8 : 2SA1048(Y,GR) or 2SA933S(Q,R)
Q11 : 2SA999(E,F)
Q12~14 : DTC124ES or UN4212
Q15, 16 : DTA124ES or UN4112

IC1 : CXP50116-312Q or CXP50116-320Q
IC2 : TC4028BP or TC74HC4028AP
IC3 : NJM4565D-D or RC4565D-D
IC4 : PST529C

ED1 : 11-MT-65GK

A1 : W02-0975-05 or W02-1046-05

━━━━ GND LINE
━━━━ SIGNAL LINE
──── +B LINE
– – – – -B LINE

DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

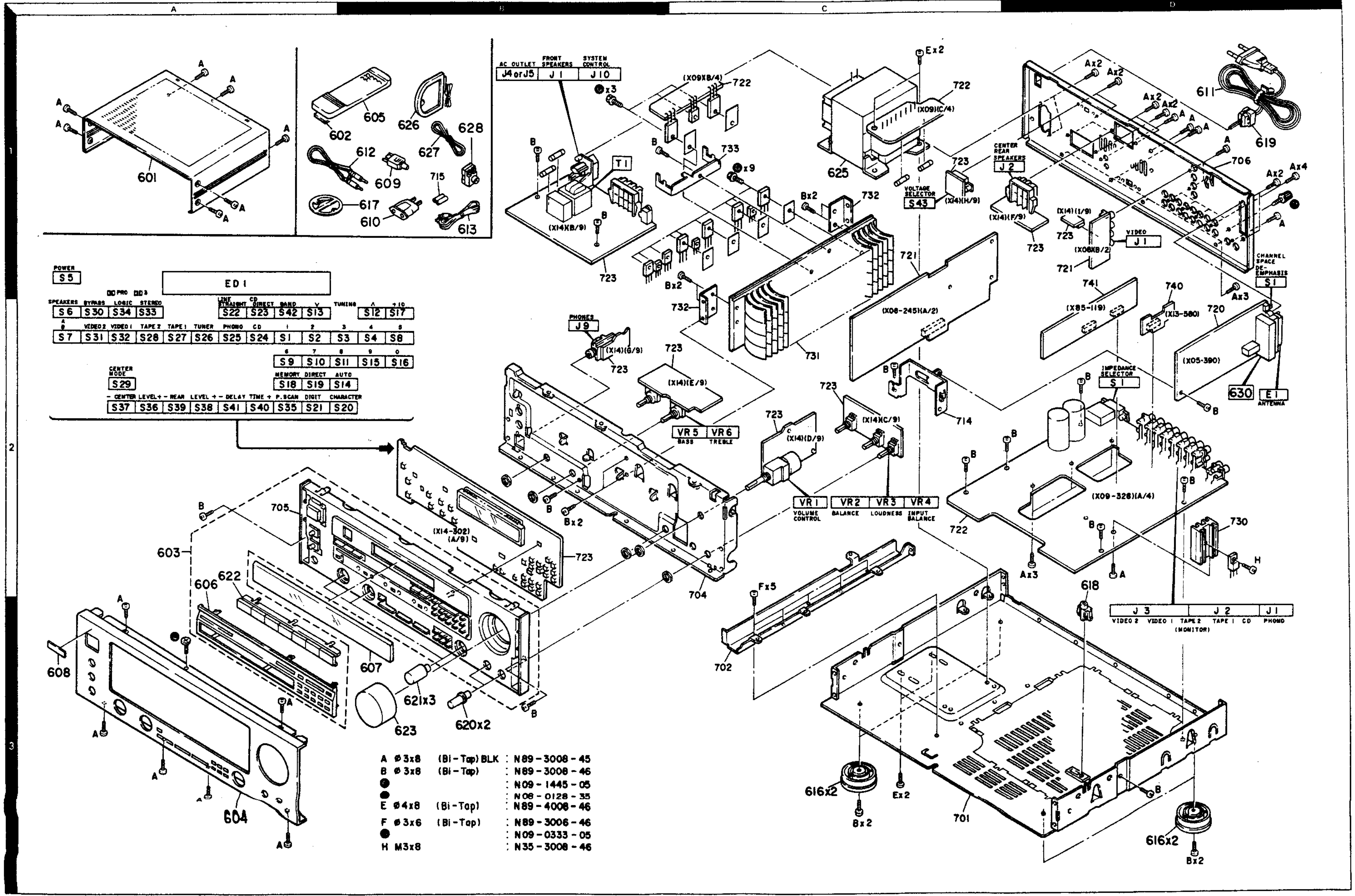
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U. geringfügig.

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

KR-V7030

KENWOOD

EXPLODED VIEW


A
B
C
D
1
2
3
601
602
605
626
628
627
612
609
715
617
610
613
POWER
S5
ED1
PRO LOGIC
3 STEREO
SPEAKERS S6
BYPASS S30
LOGIC S34
STEREO S33
LINE STRAIGHT S22
CD DIRECT S23
BAND S42
∨ S13
TUNING
∧ S12
+10 S17
A/B S7
VIDEO 2 S31
VIDEO 1 S32
TAPE 2 S28
TAPE 1 S27
TUNER S26
PHONO S25
CD S24
1 S1
2 S2
3 S3
4 S4
5 S8
6 S9
7 S10
8 S11
9 S15
0 S16
CENTER MODE S29
MEMORY S18
DIRECT S19
AUTO S14
− CENTER LEVEL + S37 S36
− REAR LEVEL + S39 S38
− DELAY TIME + S41 S40
P.SCAN S35
DIGIT S21
CHARACTER S20
AC OUTLET J4 or J5
FRONT SPEAKERS J1
SYSTEM CONTROL J10
(X09)(B/4)
722
x3
T1
B
(X14)(B/9)
723
733
x9
Bx2
732
731
Ex2
(X09)(C/4)
625
723
VOLTAGE SELECTOR S43
(X14)(H/9)
CENTER REAR SPEAKERS J2
(X14)(F/9)
(X14)(I/9)
VIDEO J1
(X08)(B/2)
721
(X08-2451)(A/2)
741
(X85-119)
740
(X13-580)
720
(X05-390)
630
E1
ANTENNA
CHANNEL SPACE DE-EMPHASIS S1
Ax2
Ax3
Ax4
611
619
706
PHONES J9
(X14)(G/9)
(X14)(E/9)
VR5 BASS
VR6 TREBLE
(X14)(D/9)
(X14)(C/9)
VR1 VOLUME CONTROL
VR2 BALANCE
VR3 LOUDNESS
VR4 INPUT BALANCE
714
IMPEDANCE SELECTOR S1
(X09-328)(A/4)
722
730
H
J3 VIDEO 2 VIDEO 1
J2 TAPE 2 TAPE 1 (MONITOR)
J1 CD PHONO
705
(X14-302)(A/9)
603
704
Fx5
702
618
606
622
607
608
604
621x3
623
620x2
616x2
Ex2
701
Bx2

A	ø3x8	(Bi-Tap) BLK	: N89-3008-45
B	ø3x8	(Bi-Tap)	: N89-3008-46
●			: N09-1445-05
●			: N08-0128-35
E	ø4x8	(Bi-Tap)	: N89-4008-46
F	ø3x6	(Bi-Tap)	: N89-3006-46
●			: N09-0333-05
H	M3x8		: N35-3008-46

Parts with the exploded numbers larger than 700 are not supplied.

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Telle ohne Parts No. werden nicht geliefert.

No. 1

KR−V7030

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
601	1A		A01-1829-01	METALLIC CABINET		
602	1B		A09-0088-08	BATTERY COVER		
603	2A	*	A22-1490-02	SUB PANEL ASSY		
604	3A	*	A60-0026-02	PANEL		
605	1B	*	A70-0505-05	REMOTE CONTROLLER ASSY		
606	2A	*	B07-1982-02	ESCUTCHEON		
607	3B	*	B10-1843-03	FRONT GLASS		
608	3A		B43-0287-04	KENWOOD BADGE		
-			B46-0092-03	WARRANTY CARD	K	
-			B46-0094-03	WARRANTY CARD	Y	
-			B46-0095-03	WARRANTY CARD	Y	
-			B46-0096-23	WARRANTY CARD	T	
-			B46-0121-03	WARRANTY CARD	P	
-			B46-0122-13	WARRANTY CARD	E	
-			B46-0143-13	WARRANTY CARD	T	
-			B58-0513-04	CAUTION CARD (PRESET220-240)	Y	
-		*	B60-0350-00	INSTRUCTION MANUAL(ENGLISH)		
-		*	B60-0351-00	INSTRUCTION MANUAL(FRENCH)	PE	
-		*	B60-0352-00	INSTRUCTION MANUAL(G,D,I)	E	
-		*	B60-0353-00	INSTRUCTION MANUAL(S,C)	M	
⚠ 609	1B		E03-0049-05	AC PLUG	T	
⚠ 610	1B		E03-0115-05	AC PLUG ADAPTER	M	
⚠ 611	1D		E30-0459-05	AC POWER CORD	ME	
⚠ 611	1D		E30-0812-05	AC POWER CORD	Y	
⚠ 611	1D		E30-1416-05	AC POWER CORD	T	
⚠ 611	1D		E30-2209-05	AC POWER CORD	KP	
612	1B		E30-0977-05	CORD WITH PLUG	TE	
613	1B		E30-1392-05	CORD WITH PLUG	TE	
-		*	H10-5095-02	POLYSTYRENE FOAMED FIXTURE		
-		*	H10-5096-02	POLYSTYRENE FOAMED FIXTURE		
-			H25-0225-04	PROTECTION BAG (850X450X0.03)		
-			H25-0232-04	PROTECTION BAG (235X350X0.03)		
-		*	H50-0022-04	ITEM CARTON CASE	KPYM	
-		*	H50-0023-04	ITEM CARTON CASE	TE	
616	3C,3D		J02-1034-05	FOOT		
617	1B		J19-2815-04	ANTENNA HOLDER		
618	2D		J19-3179-05	UNIT HOLDER		
⚠ 619	1D		J42-0083-05	POWER CORD BUSHING		
-			J61-0307-05	WIRE BAND		
620	3B		K29-3632-04	KNOB(LOUDNESS,INPUT BALANCE)		
621	3B		K29-3894-04	KNOB(BASS,TREBLE,BALANCE)		
622	2A	*	K29-4109-02	KNOB(INPUT SELECTOR)		
623	3B	*	K29-4110-04	KNOB(VOLUME CONTROL)		
⚠ 625	1C		L07-0039-05	POWER TRANSFORMER	K	
⚠ 625	1C		L07-0040-05	POWER TRANSFORMER	YM	
⚠ 625	1C		L07-0074-05	POWER TRANSFORMER	T	
⚠ 625	1C		L07-0127-05	POWER TRANSFORMER	P	
⚠ 625	1C	*	L07-0270-05	POWER TRANSFORMER	E	
A			N89-3008-45	BINDING HEAD TAPTITE SCREW		
B			N89-3008-46	BINDING HEAD TAPTITE SCREW		
C			N09-1445-05	SET SCREW (M3X8)		
D			N08-0128-35	BINDING POST		

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Y: AAFES(Europe) X: Australia

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Telle ohne Parts No. werden nicht geliefert.

No. 2

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
E			N89-4008-46	BINDING HEAD TAPTITE SCREW		
F			N89-3006-46	BINDING HEAD TAPTITE SCREW		
626	1B		T90-0174-05	LOOP ANTENNA		
627	1B		T90-0175-05	T TYPE ANTENNA		
628	1B		T90-0177-05	ANTENNA ADAPTOR	TE	

TUNER UNIT (X05−3900−10)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C1			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C2			CE04LW1C470M	ELECTRO 47UF 16WV		
C3			CF92FV1H273J	MF 0.027UF J		
C4			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C5			CE04LW1C470M	ELECTRO 47UF 16WV		
C6 ,7			CK45FF1H103Z	CERAMIC 0.010UF Z		
C9			CK45FF1H223Z	CERAMIC 0.022UF Z		
C16			CK45FF1H223Z	CERAMIC 0.022UF Z		
C17			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C18			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C19			CK45FF1H223Z	CERAMIC 0.022UF Z		
C20			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C21			CK45FF1H103Z	CERAMIC 0.010UF Z		
C22			CK45FF1H223Z	CERAMIC 0.022UF Z		
C23			CE04LW1V100M	ELECTRO 10UF 35WV		
C24			CK45FF1H223Z	CERAMIC 0.022UF Z		
C25			CF92FV1H153J	MF 0.015UF J		
C26			CE04LW1V100M	ELECTRO 10UF 35WV		
C27			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C28			C91-0769-05	CERAMIC 0.01UF K		
C29 ,30			CK45FF1H103Z	CERAMIC 0.010UF Z		
C31			CC45FSL1H101J	CERAMIC 100PF J		
C32			C91-0769-05	CERAMIC 0.01UF K		
C33			CE04LW1C470M	ELECTRO 47UF 16WV		
C34			CK45FB1H471K	CERAMIC 470PF K	TE	
C35			CC45FSL1H121J	CERAMIC 120PF J	TE	
C36			CC45FSL1H271J	CERAMIC 270PF J	TE	
C37			CF92FV1H152J	MF 1500PF J	TE	
C38			CF92FV1H132J	MF 1300PF J	TE	
C39			CC93FCH1H471J	CERAMIC 470PF J		
C40			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
C41			CE04LW1H3R3M	ELECTRO 3.3UF 50WV		
C42			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C43			CF92FV1H473J	MF 0.047UF J		
C44			CK45FB1H471K	CERAMIC 470PF K		
C45			C91-0769-05	CERAMIC 0.01UF K		
C46 ,47			CC45FSL1H151J	CERAMIC 150PF J	KPYM	
C46 ,47			CK45FB1H102K	CERAMIC 1000PF K	TE	
C48			CE04LW1C101M	ELECTRO 100UF 16WV		
C49			CC45FSL1H221J	CERAMIC 220PF J	TE	
C50 ,51			CE04LW1H010M	ELECTRO 1.0UF 50WV	KPYM	
C50 ,51			CE04LW1H2R2M	ELECTRO 2.2UF 50WV	TE	
C52 ,53			CF92FV1H752J	MF 7500PF J	YM	
C54 ,55			CF92FV1H153J	MF 0.015UF J	YM	
C54 ,55			CF92FV1H223J	MF 0.022UF J	KP	
C54 ,55			CF92FV1H472J	MF 4700PF J	TE	
C56			CK45FF1H103Z	CERAMIC 0.010UF Z		
C57			CE04LW1C470M	ELECTRO 47UF 16WV		

E: Scandinavia & Europe K: USA P: Canada
Y: PX(Far East, Hawaii) T: England M: Other Areas
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⚠ indicates safety critical components.

⁎ New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

No. 3

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
C58 ,59			CC45FCH1H220J	CERAMIC 22PF J		
C60 -62			CC45FSL1H101J	CERAMIC 100PF J		
C63			CK45FF1H103Z	CERAMIC 0.010UF Z		
C64 ,65			CE04LW1C220M	ELECTRO 22UF 16WV	TE	
C66			CK45F1H103Z	CERAMIC 0.010UF Z	YM	
E1	2D		E20-0321-05	LOCK TERMINAL BOARD(ANTENNA)	TE	
E1	2D		E20-0476-05	LOCK TERMINAL BOARD(ANTENNA)	KPYM	
CF1 ,2			L72-0531-05	CERAMIC FILTER	KPYM	
CF1 ,2			L72-0536-05	CERAMIC FILTER	TE	
CF3			L72-0096-05	CERAMIC FILTER		
L1			L40-1091-17	SMALL FIXED INDUCTOR(1uH)		
L2			L39-0189-05	COMBINATION COIL		
L4			L30-0488-05	AM IFT		
L6			L30-0439-25	FM IFT		
L7			L40-5625-29	SMALL FIXED INDUCTOR(5.6mH,J)	TE	
L8			L40-6825-29	SMALL FIXED INDUCTOR(6.8mH,J)	TE	
L9 ,10			L79-0790-05	LC FILTER	TE	
X1			L77-1122-05	CRYSTAL RESONATOR (7.2MHz)		
R6			RD14NB2E101J	RD 100 J 1/4W		
R10			RD14NB2E101J	RD 100 J 1/4W		
R36			RD14NB2E101J	RD 100 J 1/4W		
R51			RD14NB2E470J	RD 47 J 1/4W		
R69			RD14NB2E221J	RD 220 J 1/4W		
VR1			R12-3130-05	TRIMMING POT(33K)(FM TUNE)		
VR2			R12-1089-05	TRIMMING POT(4.7K)(VCO)		
VR3			R12-5060-05	TRIMMING POT(220K)(SEPARATION)	TE	
VR4			R12-3126-05	TRIMMING POT(10K)(AM TUNE)		
S1	1D		S31-2132-05	SLIDE SWITCH(DE-EM.,CH SPACE)	YM	
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D10			HZS5.1N(B2)	ZENER DIODE		
D10			RD5.1ES(B2)	ZENER DIODE		
D11 ,12			HSS104	DIODE		
D11 ,12			1SS133	DIODE		
D13			HSS104	DIODE	TE	
D13			1SS133	DIODE	TE	
IC1			LA1265	IC(FM/AM TUNER)		
IC2			AN7470	IC(FM MPX)		
IC3			LM7001	IC(PLL FREQUENCY SYNTHESIZER)		
Q1			2SC1923(R,O)	TRANSISTOR		
Q3			2SC1740S(Q,R)	TRANSISTOR		
Q3			2SC945(A)(Q,P)	TRANSISTOR		
Q4			2SC1845(F,E)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR	TE	
Q7			2SC945(A)(Q,P)	TRANSISTOR	TE	
Q8 ,9			2SA733(A)(Q,P)	TRANSISTOR		
Q8 ,9			2SA933S(Q,R)	TRANSISTOR		
Q11 ,12			2SC1740S(Q,R)	TRANSISTOR	YM	
Q11 ,12			2SC945(A)(Q,P)	TRANSISTOR	YM	
630	2D		W02-1041-05	FM FRONT-END ASSY	TE	
630	2D		W02-1042-05	FM FRONT-END ASSY	KPYM	

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No. 4

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
PRE AMPLIFIER (X08-2450-10)						
C11			CE04LW1V100M	ELECTRO 10UF 35WV		
C12 ,13			CE04LW1HR47M	ELECTRO 0.47UF 50WV		
C14 ,15			CK45FB1H102K	CERAMIC 1000PF K		
C16 ,17			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C21 -23			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C24			CE04LW1C221M	ELECTRO 220UF 16WV		
C30 ,31			CF92FV1H104J	MF 0.10UF J		
C32			CF92FV1H224J	MF 0.22UF J		
C33 ,34			CE04LW1H4R7M	ELECTRO 4.7UF 50WV		
C35 -37			CF92FV1H224J	MF 0.22UF J		
C39			CE04LW1A471M	ELECTRO 470UF 10WV		
C40			CF92FV1H473J	MF 0.047UF J		
C41			C91-0670-05	CERAMIC 5600PF K		
C42 ,43			CE04LW1V100M	ELECTRO 10UF 35WV		
C44			CE04LW1C101M	ELECTRO 100UF 16WV		
C45 ,46			CE04LW1V100M	ELECTRO 10UF 35WV		
C47			CE04LW1V220M	ELECTRO 22UF 35WV		
C48			CK45FB1H332K	CERAMIC 3300PF K		
C49			CK45FB1H681K	CERAMIC 680PF K		
C50			CF92FV1H473J	MF 0.047UF J		
C51 ,52			CF92FV1H104J	MF 0.10UF J		
C53 ,54			CF92FV1H105J	MF 1.0UF J		
C55			CF92FV1H104J	MF 0.10UF J		
C56			CF92FV1H473J	MF 0.047UF J		
C57			CK45FB1H681K	CERAMIC 680PF K		
C58			CF92FV1H104J	MF 0.10UF J		
C59 ,60			CK45FB1H222K	CERAMIC 2200PF K		
C61 ,62			CF92FV1H104J	MF 0.10UF J		
C63			C90-1456-05	NP-ELEC 0.22UF 50WV		
C64 ,65			CQ92FM1H103J	MYLAR 0.010UF J		
C66 ,67			CK45FF1H473Z	CERAMIC 0.047UF Z		
C70			CE04LW1C221M	ELECTRO 220UF 16WV		
C71			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C76			CK45FB1H102K	CERAMIC 1000PF K		
C79			C90-1332-05	NP-ELEC 10UF 25WV		
C80			CQ92FM1H682J	MYLAR 6800PF J		
C81			CQ92FM1H562J	MYLAR 5600PF J		
C82			CK45FB1H681K	CERAMIC 680PF K		
C83			CK45FB1H561K	CERAMIC 560PF K		
C84			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C85			C90-1332-05	NP-ELEC 10UF 25WV		
C86			CF92FV1H333J	MF 0.033UF J		
C87		*	C91-0666-05	CERAMIC 3900PF K		
C88			CF92FV1H683J	MF 0.068UF J		
C89			CE04LW1C220M	ELECTRO 22UF 16WV		
C91 ,92			CC45FSL1H270J	CERAMIC 27PF J		
C94 -96			CE04LW1A221M	ELECTRO 220UF 10WV		
C97		*	CQ92FM1H151K	MYLAR 150PF K		
C98			CQ92FM1H223J	MYLAR 0.022UF J		
C99			CQ92FM1H102J	MYLAR 1000PF J		
C100			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C101			CE04LW1A471M	ELECTRO 470UF 10WV		
C102			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		

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No. 5

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C103			CQ92FM1H102J	MYLAR 1000PF J		
C104			CQ92FM1H223J	MYLAR 0.022UF J		
C105		*	CQ92FM1H151K	MYLAR 150PF K		
C106			CF92FV1H154J	MF 0.15UF J		
C107			CE04LW1H0R1M	ELECTRO 0.1UF 50WV		
C108			C90-1332-05	NP-ELEC 10UF 25WV		
C109			CQ92FM1H472J	MYLAR 4700PF J		
C110			CE04LW1A221M	ELECTRO 220UF 10WV		
C111			CE04LW0J471M	ELECTRO 470UF 6.3WV		
C112			CE04LW1A101M	ELECTRO 100UF 10WV		
C113			CE04LW1C101M	ELECTRO 100UF 16WV		
C114			CE04LW1A101M	ELECTRO 100UF 10WV		
C115			CE04LW0J471M	ELECTRO 470UF 6.3WV		
C120			CE04LW1V100M	ELECTRO 10UF 35WV		
C121			CE04LW1V220M	ELECTRO 22UF 35WV		
C122			CE04LW1A101M	ELECTRO 100UF 10WV		
C124			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C125			CE04LW1C221M	ELECTRO 220UF 16WV		
C128			CK45FF1H473Z	CERAMIC 0.047UF Z		
J1	1D		E13-0487-05	PHONO JACK(VIDEO)		
J2			J11-0098-05	WIRE CLAMPER		
L1			L40-1001-17	SMALL FIXED INDUCTOR(10UH,K)		
L2			L40-2291-17	SMALL FIXED INDUCTOR(2.2UH)		
X1			L77-1184-05	CRYSTAL RESONATOR (8MHz)		
CP1			R90-0482-05	MULTI-COMP 100KX4 J 1/6W		
R50			RD14NB2E271J	RD 270 J 1/4W		
R116			RD14NB2E220J	RD 22 J 1/4W		
R141			RD14NB2E470J	RD 47 J 1/4W		
R156			RN14BK2C5620F	RN 562.0 F 1/6W		
R157			RN14BK2C1471F	RN 1.47K F 1/6W		
VR3		*	R12-8017-05	TRIM POT. 2.2K(DOLBY LEVEL)		
D5			HZS5.6N(B2)	ZENER DIODE		
D5			RD5.6ES(B2)	ZENER DIODE		
D6			HZS11N(B2)	ZENER DIODE		
D6			RD11ES(B2)	ZENER DIODE		
D7 -13			HSS104	DIODE		
D7 -13			1SS133	DIODE		
D15 ,16			HSS104	DIODE		
D15 ,16			1SS133	DIODE		
D18			HSS104	DIODE		
D18			1SS133	DIODE		
IC4			NJM4565D	IC(OP AMP X2)		
IC4			RC4565D	IC(OP AMP X2)		
IC5			TC9213P	IC(2CH ELECTRONIC VOLUME)		
IC6		*	LV1000N	IC(DOLBY DELAY)		
IC7		*	LM3364-15	IC(64K D-RAM)		
IC8		*	NJM2175F	IC(PRO LOGIC)		
IC9			UPC78L05J	IC(VOLTAGE REGULATOR/ +5V)		
IC10			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC11			AN7812F	IC(VOLTAGE REGULATOR/ +12V)		
IC11			UPC7812HF	IC(VOLTAGE REGULATOR/ +12V)		
IC12			UPC78L12J	IC(VOLTAGE REGULATOR/ +12V)		

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No. 6

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
Q3 ,4			2SC1740S(Q,R)	TRANSISTOR		
Q3 ,4			2SC2458(Y,GR)	TRANSISTOR		
Q7			2SA1048(Y,GR)	TRANSISTOR		
Q7			2SA933S(Q,R)	TRANSISTOR		
Q8			2SC3940A	TRANSISTOR		
Q9 ,10			2SA999(E,F)	TRANSISTOR		
Q11			2SA992(F,E)	TRANSISTOR		
Q12			2SC1845(F,E)	TRANSISTOR		
Q13			2SC2320(E,F)	TRANSISTOR		
Q14			DTA124ES	DIGITAL TRANSISTOR		
Q14		*	RN2203	TRANSISTOR		
Q15 ,16			2SC2878(B)	TRANSISTOR		

AUDIO UNIT (X09-3280-11)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C1 ,2			CC45FSL1H390J	CERAMIC 39PF J	YMTE	
C3 ,4			CE04LW1V100M	ELECTRO 10UF 35WV		
C5 ,6			CC45FSL1H221J	CERAMIC 220PF J		
C7 ,8			CE04LW1A101M	ELECTRO 100UF 10WV		
C9 ,10			CK45FB1H102K	CERAMIC 1000PF K		
C11 ,12			CF92FV1H123J	MF 0.012UF J		
C13 ,14			CK45FB1H332K	CERAMIC 3300PF K		
C15 ,16			CE04LW1V4R7M	ELECTRO 4.7UF 35WV		
C17 ,18			CK45FF1H103Z	CERAMIC 0.010UF Z		
C19			CK45FB1H681K	CERAMIC 680PF K		
C20			CE04LW1C470M	ELECTRO 47UF 16WV		
C21			CC45FSL1H221J	CERAMIC 220PF J	YMTE	
C22 -24			C91-0749-05	CERAMIC 220PF K	YMTE	
C25 ,26			CC45FSL1H221J	CERAMIC 220PF J	YMTE	
C27 ,28			CC45FSL1H221J	CERAMIC 220PF J		
C29 ,30			C91-0749-05	CERAMIC 220PF K	YMTE	
C31 ,32			C91-0749-05	CERAMIC 220PF K		
C33 -36			C91-0749-05	CERAMIC 220PF K	YMTE	
C37 ,38			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C39 ,40			CC45FSL1H221J	CERAMIC 220PF J		
C41 ,42			CC45FSL1H101J	CERAMIC 100PF J		
C43 ,44			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C45 ,46			CE04LW1E470M	ELECTRO 47UF 25WV		
C47 ,48			CE04LW1C101M	ELECTRO 100UF 16WV		
C49 ,50			CK45FF1H103Z	CERAMIC 0.010UF Z		
C51			C90-1349-05	NP-ELEC 1UF 50WV		
C52			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C53			CE04LW1V100M	ELECTRO 10UF 35WV		
C54			CE04LW2A100M	ELECTRO 10UF 100WV		
C59 -62			CK45FF1H103Z	CERAMIC 0.010UF Z		
C63 ,64			CF92FV1H104J	MF 0.10UF J	KP	
C63 ,64			CF92FV1H224J	MF 0.22UF J	YMTE	
C65 ,66			CF92FV1H224J	MF 0.22UF J	YMTE	
C67			CE04LW2A2R2M	ELECTRO 2.2UF 100WV		
C69 ,70			CK45FF1H103Z	CERAMIC 0.010UF Z		
C71			CF92FV1H104J	MF 0.10UF J		
C72			CE04LW1V471M	ELECTRO 470UF 35WV		
C73			CE04LW1H470M	ELECTRO 47UF 50WV		
C74			CE04LW1V100M	ELECTRO 10UF 35WV		
C75 ,76			CE04LW1V332M	ELECTRO 3300UF 35WV		
C77 ,78		*	C90-1870-05	ELECTRO 7500UF 71WV		

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No. 7

Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕 向	Re-marks 備考
C79 -82			CK45FF1H103Z	CERAMIC 0.010UF Z		
C84			CK45FB1H102K	CERAMIC 1000PF K		
C85			CE04LW1V220M	ELECTRO 22UF 35WV		
C86 ,87			CK45FF1H103Z	CERAMIC 0.010UF Z		
C88			CF92FV1H104J	MF 0.10UF J		
C93			CE04LW1C101M	ELECTRO 100UF 16WV		
C95 ,96			C90-1350-05	NP-ELEC 2.2UF 50WV		
C100-104			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C119			CE04LW1C470M	ELECTRO 47UF 16WV		
C120,121			CE04LW2A2R2M	ELECTRO 2.2UF 100WV		
C122			CK45FB1H102K	CERAMIC 1000PF K		
C123			CE04LW1C220M	ELECTRO 22UF 16WV		
C124			CE04LW1V100M	ELECTRO 10UF 35WV		
C125			CE04LW1C101M	ELECTRO 100UF 16WV		
J1	3D		E13-0255-05	PHONO JACK(PHONO)		
J2 ,3	3D		E13-0820-05	PHONO JACK(CD,TAPE1.2,VIDEO1.2	)	
⚠ F1 ,2			F05-6321-05	FUSE (SEMKO) (250V T6.3A)	YMTE	
⚠ F1 ,2			F05-8029-05	FUSE (UL) (250V 8A)	KP	
⚠ F3 ,4			F04-5022-05	FUSE (UL) (125V 5A UL)	KP	
⚠ F3 ,4			F05-3121-05	FUSE (SEMKO) (250V T3.15A)	YMTE	
CN11-14			J13-0041-05	FUSE CLIP	KP	
CN11-18			J13-0075-05	FUSE CLIP	YMTE	
CN15-18			J13-0075-05	FUSE CLIP	KP	
A			N89-3008-45	BINDING HEAD TAPTITE SCREW		
B			N89-3008-46	BINDING HEAD TAPTITE SCREW		
G			N09-0333-05	TAPPING SCREW (3X12)		
H			N35-3008-46	BINDING HEAD MACHIN SCREW		
CP1 -4			R90-0840-05	COMPOSITE ELEMENTS		
R85 -88			RD14NB2E220J	RD 22 J 1/4W		
R97 ,98		*	RD14NB2E332J	RD 3.3K J 1/4W		
R101,102			RS14KB3D100J	FL-PROOF RS 10 J 2W		
R108,109			RD14NB2E470J	RD 47 J 1/4W		
R110			RD14NB2E392J	RD 3.9K J 1/4W		
R112			RS14KB3A100J	FL-PROOF RS 10 J 1W		
R123			RD14NB2E101J	RD 100 J 1/4W		
R124			RD14NB2E4R7J	RD 4.7 J 1/4W		
R129			RD14NB2E101J	RD 100 J 1/4W		
R134,135			RS14KB3D820J	FL-PROOF RS 82 J 2W		
R136,137			RD14NB2E1R0J	RD 1.0 J 1/4W		
R138			RS14KB3A391J	FL-PROOF RS 390 J 1W		
R150			RD14NB2E100J	RD 10 J 1/4W		
R211,212			RD14NB2E220J	RD 22 J 1/4W		
R213			RD14NB2E392J	RD 3.9K J 1/4W		
R215			RS14KB3A100J	FL-PROOF RS 10 J 1W		
R220,221			RD14NB2E2R2J	RD 2.2 J 1/4W		
R222		*	RD14NB2E331J	RD 330 J 1/4W		
R223			RD14GB2E331J	FL-PROOF RD 330 J 1/4W		
VR1 ,2			R12-1616-05	TRIMMING POT(1K)(IDLE CURRENT)		
VR4			R12-1616-05	TRIMMING POT(1K)(IDLE CURRNET)		
S1	2D		S31-2136-05	SLIDE SWITCH(IMPEDANCE SELECT		
D1 -10			HSS104	DIODE		
D1 -10			1SS133	DIODE		

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No. 8

Ref. No. 参照番号	Address 位 置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕 向	Re-marks 備考
D11 -13			HSS104A	DIODE		
D11 -13			1SS131	DIODE		
D14			HZS5.1N(B2)	ZENER DIODE		
D14			RD5.1ES(B2)	ZENER DIODE		
D15			HSS104	DIODE		
D15			1SS133	DIODE		
D16			HSS104A	DIODE		
D16			1SS131	DIODE		
D17			HZS5.1N(B2)	ZENER DIODE		
D17			RD5.1ES(B2)	ZENER DIODE		
D18			HZS16N(B2)	ZENER DIODE		
D18			RD16ES(B2)	ZENER DIODE		
D19			HZS15N(B)	ZENER DIODE		
D19			RD15ES(B)	ZENER DIODE		
D20 -25			HSS104A	DIODE		
D20 -25			1SS131	DIODE		
⚠ D26			D5FB20*1	DIODE		
⚠ D27			D3SBA20F03	DIODE		
⚠ D27			RBV-402LFA	DIODE		
D29			HZS4.7N(B)	ZENER DIODE		
D29			RD4.7ES(B)	ZENER DIODE		
D30			HZS13N(B2)	ZENER DIODE		
D30			RD13ES(B2)	ZENER DIODE		
D31 -36			HSS104A	DIODE		
D31 -36			1SS131	DIODE		
D37			HZS6.2N(B2)	ZENER DIODE		
D37			RD6.2ES(B2)	ZENER DIODE		
D38			HSS104	DIODE		
D38			1SS133	DIODE		
D39			HZS8.2N(B2)	ZENER DIODE		
D39			RD8.2ES(B2)	ZENER DIODE		
D42 ,43			HZS5.1S(B2)	ZENER DIODE		
D42 ,43			RD5.1JS(B2)	ZENER DIODE		
D50 -54			HSS104	DIODE		
D50 -54			1SS133	DIODE		
IC1			NJM4565D-D	IC(OP AMP X2)		
IC1			RC4565D-D	IC(OP AMP X2)		
IC2			TC9164N	IC(16CH BILATERAL SELECTOR SW)		
IC3			TC9162N	IC(ANALOG SWITCH ARRAY)		
IC4			NJM4565D-D	IC(OP AMP X2)		
IC4			RC4565D-D	IC(OP AMP X2)		
IC5			TA8409S	IC(MOTOR CONTROL)		
Q1 ,2			2SA1048(Y,GR)	TRANSISTOR		
Q1 ,2			2SA933S(Q,R)	TRANSISTOR		
Q3 -6			2SC2878(B)	TRANSISTOR		
Q7 ,8			2SC4137(V,W)	TRANSISTOR		
⚠ Q13 ,14			2SD2222*5	TRANSISTOR		
⚠ Q15 ,16			2SB1470*5	TRANSISTOR		
Q17 ,18			2SC2631(R,S)	TRANSISTOR		
Q19			2SA992(F,E)	TRANSISTOR		
Q20			2SC4137(V,W)	TRANSISTOR		
⚠ Q21			2SD1893*5	TRANSISTOR		
⚠ Q22			2SB1253*5	TRANSISTOR		
Q23			2SC1845(F,E)	TRANSISTOR		
Q24			2SA992(F,E)	TRANSISTOR		

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No. 9

	Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
	Q25			2SB772	TRANSISTOR		
	Q27 ,28			2SA1048(Y,GR)	TRANSISTOR		
	Q27 ,28			2SA933S(Q,R)	TRANSISTOR		
	Q30 -32			2SC2003(L,K)	TRANSISTOR		
	Q33			2SD1266	TRANSISTOR		
	Q34 ,35			2SC1740S(Q,R)	TRANSISTOR		
	Q34 ,35			2SC2458(Y,GR)	TRANSISTOR		
	Q36 -38			2SC1845(F,E)	TRANSISTOR		
	Q40			DTA124ES	DIGITAL TRANSISTOR		
	Q40			UN4112	TRANSISTOR		
	Q41 ,42			2SA1048(Y,GR)	TRANSISTOR		
	Q41 ,42			2SA933S(Q,R)	TRANSISTOR		
	Q43 ,44			2SC2878(B)	TRANSISTOR		
	Q50			2SC4137(V,W)	TRANSISTOR		
⚠	Q51		*	2SC4468*5	TRANSISTOR		
⚠	Q52		*	2SA1695*5	TRANSISTOR		
	Q53			2SC1845(F,E)	TRANSISTOR		
	Q55			2SC3944A	TRANSISTOR		
	Q56			2SA1535A	TRANSISTOR		
	BUFFER UNIT (X13-5800-02)						
	C1 ,2			CE04LW1H2R2M	ELECTRO 2.2UF 50WV		
	C3 ,4			CE04LW1V220M	ELECTRO 22UF 35WV		
	IC1			UPC4570C-A	IC(OP AMPX2)		
	DISPLAY UNIT (X14-3020-10)						
	D33			B30-1291-05	LED		
	D51 -54			B30-1291-05	LED		
	C1 ,2			CK45FF1H103Z	CERAMIC 0.010UF Z	E	
	C4 -9			CK45FF1H103Z	CERAMIC 0.010UF Z	E	
	C11 ,12			CE04LW1V100M	ELECTRO 10UF 35WV		
	C13 ,14			CE04LW1E221M	ELECTRO 220UF 25WV		
	C15			CK45FF1H103Z	CERAMIC 0.010UF Z		
	C20			CE04JW1C4R7M	ELECTRO 4.7UF 16WV		
	C21 ,22			CE04LW1H100M	ELECTRO 10UF 50WV		
	C23			C91-0769-05	CERAMIC 0.01UF K		
	C24			C90-1827-05	BACKUP 0.047F 5.5WV		
	C25			CE04LW1A101M	ELECTRO 100UF 10WV		
	C26 -28			C91-0676-05	CERAMIC 0.01UF K		
	C29			CE04JW0J100M	ELECTRO 10UF 6.3WV		
	C31 ,32			CE04LW1H010M	ELECTRO 1.0UF 50WV		
	C33 ,34			C91-0692-05	CERAMIC 0.047UF K		
	C35 ,36			CC45FSL1H221J	CERAMIC 220PF J		
	C37 -40			CC45FSL1H470J	CERAMIC 47PF J		
	C41 -44			CE04LW1H010M	ELECTRO 1.0UF 50WV		
	C45 -48			CE04LW1H100M	ELECTRO 10UF 50WV		
	C49 ,50			CE04LW1C470M	ELECTRO 47UF 16WV		
	C51 ,52			C91-0688-05	CERAMIC 0.033UF K		
	C53 ,54			C91-0654-05	CERAMIC 1200PF K		
	C55			C91-0700-05	CERAMIC 0.1UF J		
	C56			C90-1333-05	NP-ELEC 22UF 10WV		
	C57 ,58			C91-0676-05	CERAMIC 0.01UF K	E	
	C59 ,60			CF92FV1H472J	MF 4700PF J		
	C62 ,63			CC45FSL1H221J	CERAMIC 220PF J		
	C64			CE04LW1V4R7M	ELECTRO 4.7UF 35WV.		

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No. 10

	Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Desti-nation 仕向	Re-marks 備考
⚠	C100			C91-0971-05	FILM 0.01UF 250WV	KPYM	
⚠	C100			C91-1421-05	FILM 0.01UF 250AC	TE	
	CN5			E10-0408-05	FLAT CABLE CONNECTOR		
	J1	1B		E20-0823-05	LOCK TERMINAL BOARD(F.SPEAKER)	KPYM	
	J1	1B		E20-0828-05	LOCK TERMINAL BOARD(F.SPEAKER)	TE	
	J2	1D	*	E70-0001-05	LOCK TERMINAL BOARD(C,R SP.)		
⚠	J4	1B		E03-0111-05	AC OUTLET	KPY	
⚠	J5	1B		E03-0108-05	AC OUTLET	ME	
⚠	J5	1B		E03-0109-05	AC OUTLET	T	
	J9	2B		E11-0189-05	PHONE JACK(PHONES)		
	J10	1B		E11-0188-05	MINIATURE PHONE JACK(S.CONTROL		
⚠	F1			F04-5022-05	FUSE (UL) (125V 5A UL)	KP	
⚠	F1			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	YMTE	
⚠	F2			F05-2525-05	FUSE (SEMKO) (250V T2.5A)	YMTE	
	CN8 ,9			J13-0075-05	FUSE CLIP		
	CN10,11			J13-0075-05	FUSE CLIP	YMTE	
	L1 -4			L39-0085-05	PHASE-COMPENSATION COIL		
⚠	T1	1B		L01-7651-05	POWER TRANSFORMER	KP	
⚠	T1	1B		L01-7653-05	POWER TRANSFORMER	YM	
⚠	T1	1B		L01-7657-05	POWER TRANSFORMER	TE	
	X1			L78-0218-05	RESONATOR		
	X1			L78-0267-05	RESONATOR		
	R3 ,4			RS14KB3A561J	FL-PROOF RS 560 J 1W		
	R7 -9			RD14NB2E100J	RD 10 J 1/4W		
	R16			R92-0173-05	RC 2.2M M 1/2W	KP	
	R145,146			RD14NB2E101J	RD 100 J 1/4W		
	VR1	2C	*	R29-5049-05	POTENTIOMETER(VOLUME CONTROL)		
	VR2	2C	*	R05-5041-05	POTENTIOMETER(BALANCE)		
	VR3	2C	*	R10-5045-05	POTENTIOMETER(LOUDNESS)		
	VR4	2C	*	R05-5041-05	POTENTIOMETER(INPUT BALANCE)		
	VR5 ,6	2C		R06-3059-05	POTENTIOMETER(BASS,TREBLE)		
⚠	K1			S51-1052-05	MAGNETIC RELAY	TE	
⚠	K1			S76-0002-05	MAGNETIC RELAY	KPYM	
	K2 -4			S51-2078-05	MAGNETIC RELAY		
	K2 -4			S51-2092-05	MAGNETIC RELAY		
	S1 -42	2A		S40-1064-05	PUSH SWITCH		
⚠	S43	1C		S31-3010-05	SLIDE SWITCH(VOLTAGE SELECTOR)	YM	
	D1 -4			S5688B	DIODE		
	D1 -4			1SR139-100	DIODE		
	D5			HZS6.2N(B2)	ZENER DIODE		
	D5			RD6.2ES(B2)	ZENER DIODE		
	D6			HSS104	DIODE		
	D6			1SS133	DIODE		
	D9 -32			HSS104	DIODE		
	D9 -32			1SS133	DIODE		
	D34 ,35			HZS3.3N(B2)	ZENER DIODE		
	D34 ,35			RD3.3ES(B2)	ZENER DIODE		
	D36 -42			HSS104	DIODE		
	D36 -42			1SS133	DIODE		
	D43			HSS104	DIODE	TE	
	D43			1SS133	DIODE	TE	
	D44			HSS104	DIODE	YM	

E: Scandinavia & Europe K: USA P: Canada
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⚠ indicates safety critical components

⁎ New Parts

Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

No. 11

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
D44			1SS133	DIODE	YM	
D45 -50			HSS104	DIODE		
D45 -50			1SS133	DIODE		
D55			HSS104	DIODE	KP	
D55			1SS133	DIODE	KP	
D56 -59			HSS104	DIODE		
D56 -59			1SS133	DIODE		
D61			HZS2.7N(B2)	ZENER DIODE		
D61			RD2.7ES(B2)	ZENER DIODE		
ED1		*	11-MT-65GK	FLUORESCENT INDICATOR TUBE		
IC1		*	CXP50116-312Q	IC(MICROPROCESSOR)		
IC1		*	CXP50116-320Q	IC(MICROPROCESSOR)		
IC2			TC4028BP	IC(DECODER)		
IC2		*	TC74HC4028AP	IC(DECODER)		
IC3			NJM4565D-D	IC(OP AMP X2)		
IC3			RC4565D-D	IC(OP AMP X2)		
IC4			PST529C	IC(SYSTEM RESET)		
Q1 -3			2SC2320(E,F)	TRANSISTOR		
Q4			2SD1302(S,T)	TRANSISTOR		
Q5			2SC2003(L,K)	TRANSISTOR		
Q7			2SC1740S(Q,R)	TRANSISTOR		
Q7			2SC2458(Y,GR)	TRANSISTOR		
Q8			2SA1048(Y,GR)	TRANSISTOR	YM	
Q8			2SA933S(Q,R)	TRANSISTOR	YM	
Q9 ,10			2SC1740S(Q,R)	TRANSISTOR		
Q9 ,10			2SC2458(Y,GR)	TRANSISTOR		
Q11			2SA999(E,F)	TRANSISTOR		
Q12 -14			DTC124ES	DIGITAL TRANSISTOR		
Q12 -14			UN4212	DIGITAL TRANSISTOR		
Q15 ,16			DTA124ES	DIGITAL TRANSISTOR		
Q15 ,16			UN4112	DIGITAL TRANSISTOR		
A1			W02-0975-05	ELECTRIC CIRCUIT MODULE		
A1			W02-1046-05	ELECTRIC CIRCUIT MODULE		

POWER AMPLIFIER UNIT (X85-1190-02)

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C1 ,2			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C3 -6			CC45FSL1H101J	CERAMIC 100PF J		
C7 ,8			CE04LW1A101M	ELECTRO 100UF 10WV		
C13 ,14			CC45FSL1H220J	CERAMIC 22PF J		
C15 ,16			CC45FSL1H150J	CERAMIC 15PF J		
C17 ,18			CC45FSL1H221J	CERAMIC 220PF J		
C19 ,20			CC45FSL1H070C	CERAMIC 7.0PF C		
C21			CE04LW2A220M	ELECTRO 22UF 100WV		
C22			CE04LW2A470M	ELECTRO 47UF 100WV		
C24			CE04LW1E330M	ELECTRO 33UF 25WV		
C25 ,26			CC45FSL1H101J	CERAMIC 100PF J		
C31			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C32 ,33			CC45FSL1H101J	CERAMIC 100PF J		
C34			CE04LW1A470M	ELECTRO 47UF 10WV		
C35			CC45FSL1H470J	CERAMIC 47PF J		
C36			CC45FSL1H221J	CERAMIC 220PF J		
C37			CC45FSL1H020C	CERAMIC 2.0PF C		
C38			CC45FSL1H470J	CERAMIC 47PF J		
C41			CE04LW1H010M	ELECTRO 1.0UF 50WV		
C42			CC45FSL1H221J	CERAMIC 220PF J		

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⁎ New Parts

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No. 12

Ref. No. 参照番号	Address 位置	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向	Remarks 備考
C43			CC45FSL1H101J	CERAMIC 100PF J		
C44			CE04LW1A470M	ELECTRO 47UF 10WV		
C45			CC45FSL1H470J	CERAMIC 47PF J		
C46			CC45FSL1H221J	CERAMIC 220PF J		
C47			CC45FSL1H020C	CERAMIC 2.0PF C		
C48 ,49			CE04LW1V470M	ELECTRO 47UF 35WV		
C50			CC45FSL1H470J	CERAMIC 47PF J		
C51 ,52			CE04LW2A101M	ELECTRO 100UF 100WV		
R19 ,20			RD14NB2E151J	RD 150 J 1/4W		
R27 -30			RD14NB2E221J	RD 220 J 1/4W		
R31 ,32			RD14NB2E470J	RD 47 J 1/4W		
R47			RD14NB2E151J	RD 150 J 1/4W		
R51 ,52			RD14NB2E221J	RD 220 J 1/4W		
R67			RD14NB2E151J	RD 150 J 1/4W		
R70 ,71			RD14NB2E221J	RD 220 J 1/4W		
R72 ,73			RD14NB2E470J	RD 47 J 1/4W		
D1 ,2			HSS104	DIODE		
D1 ,2			1SS133	DIODE		
D5 -7			HSS104	DIODE		
D5 -7			1SS133	DIODE		
Q1 -4			2SA992(F,E)	TRANSISTOR		
Q11 -14			2SC2631(R,S)	TRANSISTOR		
Q15 ,16			2SA1123(R,S)	TRANSISTOR		
Q17 ,18			2SC1740S(Q,R)	TRANSISTOR		
Q17 ,18			2SC2458(Y,GR)	TRANSISTOR		
Q21 ,22			2SA992(F,E)	TRANSISTOR		
Q23 ,24			2SC2631(R,S)	TRANSISTOR		
Q25			2SA1123(R,S)	TRANSISTOR		
Q31 ,32			2SA992(F,E)	TRANSISTOR		
Q33 ,34			2SC1845(F,E)	TRANSISTOR		
Q35			2SA992(F,E)	TRANSISTOR		

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KR-V7030

SPECIFICATIONS

(Except for Europe)

Audio section

Rated power output at the STEREO operation

(for the USA & Canada)

100 watts per channel minimum RMS, both channels driven at 8 Ω, from 20Hz to 20,000Hz with no more than 0.06% total harmonic distortion. (FTC)

(for other countries)

(IHF '66) from 20Hz to 20,000Hz, 0.06% T.H.D., at 8 Ω	110W + 110W

Power output at the Surround operation

Front (1kHz, 0.9% T.H.D. at 8 Ω)	65W + 65W
Center (1kHz, 0.9% T.H.D. at 8 Ω)	65W
Rear (1kHz, 0.9% T.H.D. at 8 Ω)	15W + 15W

Total harmonic distortion (1kHz, 8 Ω)	0.03% at 50W
Frequency response	
CD	10Hz – 50kHz $^{+0dB}_{-3dB}$
Signal to noise ratio (IHF-A)	
PHONO (MM)	78dB for 5mV input
CD, TAPE, VIDEO	100dB for 200mV input
Input sensitivity/impedance	
PHONO (MM)	2.5 mV/47k Ω
CD, TAPE, VIDEO	200mV/47k Ω
Tone controls	
BASS	±10dB (at 100Hz)
TREBLE	±10dB (at 10kHz)

Video section

VIDEO Inputs/outputs	1 Vp - p, 75 Ω unbalanced

FM Tuner section

Tuning frequency range	87.5MHz–108MHz
Antenna impedance	300 Ω balanced & 75 Ω unbalanced
Sensitivity (IHF)	10.8dBf (0.95 µ V at 75 Ω)
50 dB quieting sensitivity	
MONO	16.2 dBf (3.5 µ V at 75 Ω)
STEREO	38.2 dBf (45 µ V at 75 Ω)
Total harmonic distortion at 1,000Hz	
MONO	0.3%
STEREO	0.5%
Signal to noise ratio at 65 dBf (IHF)	
MONO	79dB
STEREO	73dB
Stereo separation (IHF at 1kHz)	45dB
Frequency response	30Hz – 15 kHz $^{+0.5\ dB}_{-2.0\ dB}$

AM Tuner section

Tuning frequency range	
9 kHz step	531kHz – 1,602kHz
10 kHz step	530kHz – 1,610kHz
The U.S.A. and Canada	530kHz – 1,700kHz
Usable sensitivity	12 µ V/(400 µ V/m)
Total harmonic distortion	0.5%
Signal to noise ratio	50dB
Selectivity	23dB

General

Power consumption	3A (The U.S.A. and Canada models) 230W (IEC) (Other models)
Dimensions	440 (W) x 147 (H) x 398 (D) mm (17-5/16") x (5-13/16") x (16-11/16")
Weight (net)	10.4 kg (22.9 lb)

AC outlets

For U.S.A. and Canada	switched x 3, total 200W, 1.6A max.
For U.S. military	switched x 3, total 200W max.
For other countries	switched x 1, 200W max

Selectivity (IHF ± 400kHz)	53dB

Note:
KENWOOD follows a policy of continuous advancement. For this reason specifications may b echanged without notice.

KR-V7030

SPECIFICATIONS

(For Europe)

Audio section

Rated power output at the STEREO operation

(IEC) from 63Hz to 12,500 Hz, 0.7% T.H.D. at 8 Ω	110W + 110W
(DIN) 1,000Hz at 8 Ω	120W + 120W
at 4 Ω	100W + 100W

Power output at the Surround operation

Front (1kHz, 0.9% T.H.D. at 8 Ω)	65W + 65W
Center (1kHz, 0.9% T.H.D. at 8 Ω)	65W
Rear (1kHz, 0.9% T.H.D. at 8 Ω)	15W + 15W

Total harmonic distortion (1kHz, 8 Ω)	0.03% at 50W
Frequency response	
CD	10Hz – 50kHz $^{+0dB}_{-3dB}$
Signal to noise ratio (IHF-A)	
PHONO (MM)	78dB for 5mV input
CD, TAPE, VIDEO	98dB for 200mV input
Signal to noise ratio (DIN weighted at 50mW output)	
PHONO (MM)	57dB
CD, TAPE, VIDEO	58dB
Input sensitivity/impedance	
PHONO (MM)	2.5 mV/47k Ω
CD, TAPE, VIDEO	200mV/47k Ω
Tone controls	
BASS	±10dB (at 100Hz)
TREBLE	±10dB (at 10kHz)

Video section

VIDEO Inputs/outputs	1 Vp - p, 75 Ω unbalanced

FM Tuner section

Tuning frequency range	87.5MHz–108MHz
Antenna impedance	75 Ω unbalanced
Sensitivity (DIN)	
MONO	1.1 µ V
STEREO	40 µ V
Total harmonic distortion (DIN at 1kHz, 65.2dBf input)	
MONO	0.3%
STEREO	0.4%
Signal to noise ratio (DIN weighted at 1kHz, 65.2dBf input)	
MONO	68dB
STEREO	61dB
Selectivity (DIN ± 300kHz)	65dB
Stereo separation (DIN)	45dB (at 1 kHz)
Sub carrior suppression (DIN)	50dB (at 19kHz) 60dB (at 38kHz)
Frequency response	30Hz – 15 kHz $^{+0.5dB}_{-2.0dB}$

AM Tuner section

Tuning frequency range	531kHz ~ 1,602kHz
Usable sensitivity	12 µ V/(400 µ V/m)
Total harmonic distortion	0.5%
Signal to noise ratio	50dB
Selectivity	23dB

General

Power consumption	230W (IEC)
Dimensions	440 (W) x 147 (H) x 398 (D) mm
Weight (net)	10.9kg
AC outlet	switched x 1 200W max.

Note:
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